ALLIED ENVIRONMENTAL SERVICES, INC.

Allied Environmental Services, Inc.
1867 South Dixie Highway, Lima, OH 45804

Initial Site Assessment Results

for

Southern Illinois Railcar
7570 Ottawa Road
Cairo, Ohio

Prepared by:

Matt Elkins
Project Geologist
Allied Envornmental Services, Inc.

For:

Southern Illinois Railcar
7570 Ottawa Road
Cairo, Ohio

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1.0 INTRODUCTION

Allied Environmental Services, Inc. (Allied) was retained by Southern Illinois Railcar (SIR) to complete an Initial Site Assessment related to the potential release of ammonia from the property located at 7570 Ottawa Road in Lima, Ohio (Property or Site). Figure 1 presents a Site Location Map.

Emergency Response activities at the Site commenced on December 3, 2008 following the identification of elevated ammonia concentrations in surface water bodies in close proximity to the Site by the Ohio Environmental Protection Agency (Ohio EPA). On Friday December 5, 2008 a meeting was held at the Site to brief the Ohio EPA and the United States Environmental Protection Agency (US EPA) on Emergency Response actions taken, and to identify areas of the Site to be evaluated as potential source areas. The original Initial Site Assessment Work Plan for Southern Illinois Railcar was submitted to the US EPA on December 8, 2008. Final revisions to the Initial Site Assessment Work Plan were submitted to the US EPA on December 18, 2008. Initial Site Assessment field data collection activities commenced on December 10, 2008 and were completed on December 15, 2008.

1.1 Purpose

The purpose of the Initial Site Investigation is to define the nature and extent of source areas of ammonia-N, nitrate and nitrate contamination in surface water, and to aid in the development of remedial measures, if necessary.

The Ohio EPA does not regulate the concentration of ammonia-N, nitrates or nitrites in soil. Likewise, the US EPA does not regulate the concentration of ammonia-N, nitrates or nitrites in soil. Ohio EPA does, however, regulate the concentration of ammonia-N in surface water through statewide water quality criteria. The warmwater habitat surface water criteria for ammonia-N is dependent upon temperature and pH, but at a pH of 7.0 and a temperature between 0 and 20°C the Ohio EPA regulatory limit for ammonia-N is 13.0 mg/L.

In order to address storm water discharging from the Site identified in excess of the warmwater habitat surface water criteria for ammonia-N, this Initial Site Assessment was also conducted to identify areas of soil with elevated ammonia-N concentrations.

1.2 Limitations and Exceptions of Assessment

This Initial Site Investigation is limited in scope to the investigation of Identified Areas (IAs) presented in the "Initial Site Assessment Work Plan for Southern Illinois Railcar", dated December 18, 2008 (Allied, 2008).

2.0 BACKGROUND

2.1 Site Description and Features

The site consists of a 27.47-acre parcel of land north of Cairo, Ohio along the east side of Ottawa Road (State Route 65). The Site is currently owned by SC Rail Leasing America, Inc. and operated by Southern Illinois Railcar as a railcar repair facility. SC Rail Leasing America, Inc. purchased the Site in September, 2007 from Ohio Ag Terminals, LLC. Ohio Ag Terminals, LLC operated a fertilizer storage and distribution facility at the Site. Prior to Ohio Ag Terminals, LLC, the Site was owned by IMC Global, Inc., which also operated a fertilizer storage and distribution facility at the Site. Historically, fertilizer manufacturing and blending has been conducted at the facility.

Currently there are five buildings and a former Ag Lime storage bin present on-Site. The five buildings on-Site include an office building, a small mechanic shop, the North Warehouse, the DEN building, and the former Continuous Ammonization Building. Another building, the South Warehouse, was recently removed from the Site.

In addition to Initial Site Assessment activities required by USEPA, the Ohio Department of Public Health required Southern Illinois Railcar to dispose of demolition debris from the former South Warehouse, and associated ash material from open burning conducted on September 11, 2008. The Ohio Department of Public Health identified this demolition debris and ash material to be heavily contaminated with Urea fertilizer. The Ohio Department of Public Health made this requirement for disposal in a letter dated December 16, 2008. The open burning pit and demolition debris were located east of the Ag Lime storage bin.

As directed by the Ohio Department of Public Health the demolition debris and associated ash material have been removed from the site by Miller Contracting and disposed of at EOLM of Lima, Ohio, which is an approved Construction and Demolition Debris Landfill.

3.0 INITIAL SITE INVESTIGATION ACTIVITIES

3.1 Scope of Assessment

The scope of this investigation is to define the nature and extent of the ammonia-N impact in each Identified Area (IA). An IA is defined as a potential source area for ammonia, nitrate and nitrite contamination in the Site's surface water. Through the identification of source areas, and defining the extent of impact, remedial options may be developed. Investigative procedures for each potential source area are discussed in the following section.

3.1.1 IA #1: Former South Warehouse

The area of the former South Warehouse encompasses approximately 30,000-square feet of exposed soil. This area was sectioned into twelve 50' x 50' grids for evaluation. One

surface soil sample was collected in each grid, and one soil boring was advanced utilizing Direct Push Technology (DPT) to a depth of 6-feet in each grid. Figure 2 presents the locations of these soil borings.

3.1.2 IA #2: North Warehouse

The North Warehouse encloses approximately 20,000-square feet. Bulk fertilizer material remained in the corners of the bins in this building. As part of proposed Emergency Response actions this fertilizer material was removed from the building for off-Site disposal. A total of nine soil borings, presented in Figure 2, were advanced within this building to evaluate the soil conditions present beneath the concrete floor. Three soil borings were advanced within the TSP bin, four soil borings were advanced within the DAP bin, and two soil borings were advanced in the vicinity of the concrete pit. Soil borings will be advanced using DPT to a depth of 6-feet. Two soil samples will be collected from each soil boring for laboratory analysis.

3.1.3 IA #3: Drainage Culvert, West Side of North Warehouse

This area appears visually impacted and was assessed by advancing two soil borings adjacent to the culvert. Figure 2 presents the locations for these soil borings. At each soil boring location, a surface soil sample and one subsurface soil sample will be collected for laboratory analysis. Soil borings will be advanced using DTP to a depth of 6-feet.

3.1.4 IA #4: Yellow Perforated Tile

This tile is to be removed and replaced with a non-perforated tile to facilitate storm water drainage from the former South Warehouse area into the existing North Ditch where it can be evacuated for proper disposal. Two soil samples will be collected from the excavated area beneath this perforated tile to identify if soils along its run have been impacted.

3.1.5 IA #5: Ag Lime Storage Bin

The immediate Emergency Response action in this area has been to physically remove all of the bulk Ag Lime product present in and around this vessel and place it within the storage bin. This bulk lime material will eventually be properly disposed of off-Site. Following removal of the bulk Ag Lime material, four soil borings were advanced along the west and south sides of the Ag Lime Storage Bin (i.e. the loading and handling area for this bin). Soil borings were advanced using DPT to a depth of 6-feet. One surface soil sample and one subsurface soil sample were collected for laboratory analysis from each soil boring. Figure 2 presents the sampling locations around the Ag Lime Storage Bin. Dolomitic Limestone (i.e. Ag Lime) is a non-hazardous material and is not a chemical of concern. The objective of sampling in this area is to define if ammonia-N has impacted the area soils.

Additionally, two samples of the bulk Ag Lime material and one sample of ponded surface water around the Ag Lime Storage Bin were collected for laboratory analysis.

3.1.6 IA #6: North Ditch

The North Ditch is approximately 555-feet long and was assessed by advancing six soil borings along the center-line of the ditch. Figure 2 presents the locations of these soil borings. At each boring location one sediment/surface soil sample and one subsurface soil sample were collected for laboratory analysis. Soil borings were advanced using DTP to a depth of 6-feet.

3.1.7 IA #7: South Ditch

The South Ditch is approximately 255-feet long and was assessed by advancing three soil borings along the center-line of the ditch. Figure 2 presents the locations of these soil borings. At each boring location one sediment/surface soil sample and one subsurface soil sample was collected for laboratory analysis. Soil borings were advanced using DTP to a depth of 6-feet.

3.1.8 IA #8: East Ditch

The East Ditch is approximately 255-feet long and was assessed by advancing three soil borings along the center-line of the ditch. Figure 2 presents the locations of these soil borings. At each boring location one sediment/surface soil sample and one subsurface soil sample was collected for laboratory analysis. Soil borings were advanced using DTP to a depth of 6-feet.

3.1.9 IA #9: Continuous Ammonization Building

The west side of this building, which was attached to the former South Warehouse, is now exposed to the weather. Bulk fertilizer material is lodged between the wooden lathes that once separated the Continuous Ammonization Building from the former South Warehouse, and this bulk fertilizer material is now a potential source of ammonia. The interim response measure to address this exposed fertilizer material has been to install a polyethylene cover over the west side of this building. The tentative schedule for demolition of this building is spring, 2009. Southern Illinois Railcar will move forward with the demolition schedule for this building, and the timeframe for demolition will be submitted to the US EPA when it is finalized.

3.1.10 IA #10: Former South Warehouse Debris

Demolition debris from the former South Warehouse, and associated ash material from open burning, is located southeast of the Ag Lime Storage Bin. This material is likely contaminated with Urea fertilizer and is a potential source of ammonia. Southern Illinois Railcar is currently in the process of disposing of this material at an approved construction and demolition debris landfill. While this demolition debris remained on-Site it was covered with poly sheeting to reduce the chance that storm water will come into contact with the material. All of this material was removed from the Site by December 23, 2008 by Miller Contracting.

3.2 Field Exploration, Sampling and Chemical Analysis Methods

3.2.1 Test Borings

Allied utilized a track-mounted Geoprobe® hydraulic soil probe to advance thirty-seven (37) soil borings to a depth of, at least, six (6) feet as designated in IA's 1, 2, 3, 5, 6, 7, and 8. Two soil borings in IA #8 (the East Ditch) were determined in the field to require a hand auger for sample collection due to limited Geoprobe® access. Additionally, the Geoprobe® was utilized to advance two (2) soil borings in locations considered to be typical background areas on the south side of the Site. Figure 2 presents the location of all soil borings advanced during the Initial Site Assessment.

The Geoprobe® hydraulic soil probe utilizes a series of two-inch outside diameter, three-foot long macrocore hollow tubes with dedicated acetate liners to obtain soil core samples. Soil core samples were collected continuously in 3-foot intervals with the macrocore hollow tubes, and a lithological description of each soil core sample was recorded in the field by Allied's Project Geologist documenting changes in soil type, consistency, color, moisture, and physical signs of contamination. Soil boring logs are presented in Appendix A.

Additionally, Allied collected samples of the soil in each boring at 2-foot intervals for field screening and chemical analysis. To complete this task a representative portion of each sample was placed in a sealed plastic bag, and an identical portion of each sample was placed into a sterile laboratory supplied 4.0-ounce glass sample jar with a Teflon-lined lid. The jarred samples were labeled and placed in an iced cooler maintained at 4° C. The bagged portion of each sample was allowed to warm to promote volatilization of contaminants. The bagged sample was then field screened for the presence of ammonia utilizing a mini-RAE Photoionization Detector (PID) manufactured by RAE Systems, Inc. and calibrated to 100 parts per million (ppm) isobutylene.

Nitrile gloves were worn during all sampling activities, and were changed between sampling events. All non-dedicated sampling equipment, such as hand trowels and hand augers, were decontaminated between sampling points by washing with a non-phosphated soap solution followed by a deionized water rinse. The Geoprobe® macrocore hollow tubes utilize a dedicated acetate liner to collect discrete soil core samples, therefore, the exterior surfaces of the macrocore tubes were not decontaminated between sample points using the same non-phosphated soap solution and deionized water rinse procedure.

A minimum of two (2) soil samples were submitted for laboratory analysis from each soil boring collected in IA's # 1, 2, 3, 5, 6, 7, 8, and the two (2) background locations. The procedure for selecting soil samples for laboratory analysis from these soil boring locations followed.

Soil samples were collected continuously in 2-foot intervals to a depth of, at least, six (6) feet. The first 2-foot interval of each soil boring was submitted for laboratory analysis

from IA's # 1, 2, 3, 5, 6, 7, 8 and the two background locations. One (1) additional soil sample, collected from the 2 to 4-foot interval, was submitted for laboratory analysis from each soil boring. The soil sample collected from the 4 to 6-foot interval was submitted to the laboratory, but held pending the analysis results of shallower intervals. Laboratory analysis of the 4 to 6-foot interval was requested for soil borings BH-04, 05, 11, 16, 19, 20, 21, 23, and 36 following receipt of analytical data. At the discretion of the Allied Project Geologist the following exceptions were made to the sampling protocol in the field:

- At soil boring location BH-18 the soil sample from the 4 to 6-foot interval was submitted for laboratory analysis due to staining observed in the soil profile at that depth.
- At soil boring location BH-28 the soil sample from the 4 to 6-foot interval was submitted for laboratory analysis due to a very moist layer of soil from 4.0 to 4.5-feet.
- At soil boring location BH-08 the soil samples submitted for laboratory analysis were chosen by based upon the location of backfill material identified in the field.
- At soil boring location BH-09 the soil samples submitted for laboratory analysis were chosen based upon the field screening results encountered in the field.

All soil samples were placed in an iced cooler and maintained at 4° C. Samples were delivered to Alloway of Lima, Ohio utilizing proper chain-of-custody protocol to ensure sample integrity for the following chemical analyses:

- Total Kjehldahl Nitrogen (TKN) (to report ammonia and organic Nitrogen)
- Nitrate
- Nitrite
- Phosphorus, total
- Total Organic Carbon
- pH

3.2.2 Temporary Monitoring Well Installation

The Work Plan for the Initial Site Assessment required groundwater samples to be collected in the South Warehouse, the North Warehouse and the Ag Lime Storage Bin (IA's 1, 2, and 5, respectively) utilizing temporary groundwater monitoring wells. The objective for obtaining groundwater samples at the Site was to determine if shallow groundwater has been impacted and/or is contributing to ammonia contamination of surface water in the North, South and East Ditches.

The Geoprobe® drilling rods met refusal in the Site's silty-clay soils at each location where Allied attempted to collect a groundwater sample. Allied did not identify a location on-Site with a soil saturated zone capable of yielding groundwater in a temporary monitoring well. Therefore, a groundwater sample was not collected during

the Initial Site Assessment and shallow groundwater is not anticipated to be contributing to the ammonia levels identified in surface water throughout the Site.

3.2.3 Perched Water Surrounding North Warehouse Drag Cavity

The soil boring advanced immediately to the west of the drag/basement in the North Warehouse (BH-08) encountered the gravel backfill for this cavity. The backfill was saturated with perched water, and a sample of this perched water was collected through the use of a temporary well point. The temporary well point was installed by inserting a new, dedicated 3/4–inch PVC pipe with a SCH-40 PVC well screen into the Geoprobe® drilling rods and retracting the drilling rods to expose the saturated backfill material. The sample volume was collected by placing disposable tubing into the temporary well point and extracting the necessary water volume with a peristaltic pump. Only a limited volume of water was obtainable from the well point. Therefore, the well point was not capable of producing the volume of water needed to collect stabilization parameters prior to sampling. The necessary sample volume was collected into the appropriate containers, labeled, and placed in an iced cooler maintained at 4° C. The sample was then delivered to Alloway of Lima, Ohio utilizing proper chain-of-custody protocol to ensure sample integrity for the following chemical analyses:

- TKN (to report ammonia and organic Nitrogen)
- Nitrate

3.2.4 Ag Lime Surface Material Sampling

To determine if the bulk lime fertilizer material which present throughout the Site is contributing to the ammonia-N contamination of surface water two samples of this material were collected. One sample was collected of a fine, powdery bulk lime material, and one sample was collected of a granular bulk lime material. Both bulk lime material samples were collected on the south side of the Ag Lime Storage Bin. Samples were collected with a clean stainless steel trowel and placed into sterile laboratory supplied 4.0-ounce glass sample jars with Teflon-lined lids. A representative portion of each bulk lime material sample was placed into a sealed plastic bag. The bagged samples were then field screened for the presence of ammonia utilizing a mini-RAE PID.

Both bulk lime material samples were placed in an iced cooler and maintained at 4° C. Samples were delivered to Alloway of Lima, Ohio utilizing proper chain-of-custody protocol to ensure sample integrity for the following chemical analyses:

- TKN (to report ammonia and organic Nitrogen)
- Nitrate
- Nitrite
- Phosphorus, total
- Total Organic Carbon
- pH

3.2.5 Surface Water – Ag Lime Storage Bin

Surface water that comes into contact with the bulk lime fertilizer material on-Site exhibits a dark brown or black color which is reportedly due to a "tree resin" used to keep the lime material in a cohesive matrix. A sample of ponded surface water heavily stained by the bulk lime material was collected immediately south of the Ag Lime Storage Bin by fully submersing a sterile, unpreserved laboratory glass sample jar into the surface water and removing the lid under water to limit the amount of surface debris that could be collected. The lid was replaced underwater and the sample volume transferred into the appropriate laboratory supplied containers, labeled, and placed into an iced cooler maintained at 4° C. Samples were delivered to Alloway of Lima, Ohio utilizing proper chain-of-custody protocol to ensure sample integrity for the following chemical analyses:

- Ammonia
- Nitrate

3.2.6 Surface Water – Warrington Ditch

This sample was collected by fully submersing a sterile, unpreserved laboratory glass sample jar into the surface water and removing the lid under water to limit the amount of surface debris that could be collected. The jar's lid was replaced underwater and the sample volume transferred into the appropriate laboratory supplied containers, labeled, and placed into an iced cooler maintained at 4° C. Samples were delivered to Alloway of Lima, Ohio utilizing proper chain-of-custody protocol to ensure sample integrity for the following chemical analyses:

- Ammonia
- Nitrate

3.2.7 Potable Water

To ensure the safety of Site personnel, a sample of the potable water supply was collected from a tap in the basement of the office building. The sample was collected by filling the appropriate laboratory supplied containers from a potable water supply tap. The samples were then labeled and placed into an iced cooler maintained at 4° C. Samples were delivered to Alloway of Lima, Ohio utilizing proper chain-of-custody protocol to ensure sample integrity for the following chemical analyses:

- Ammonia
- Nitrate
- Nitrite

3.2.8 Air Monitoring Data

To ensure the safety of Site personnel, breathing zone air samples were collected at the Site during excavation of bulk fertilizer material on surface soils immediately west of the

North Warehouse in the area of BH-10 and BH-11. Sample locations are presented on Figure 3. Samples 342-01 and 342-03 were collected at the perimeters of the excavation area. Sample 342-04 was collected inside of the backhoe wile excavating. Sample 342-05 (a personal sample) should be discarded. The individual wearing this personal monitor left the Site. Sample 342-06 is a field blank and Sample 342-02 is invalid due to pump failure. The following table presents the results of air monitoring at the Site.

Sample ID	Ammonia Concentration NIOSH 6015 (ppma)
342-01	0.34
342-02	<0.32
342-03	2.25
342-04	<0.30
342-05	N/A

4.0 EVALUATION AND PRESENTATION OF RESULTS

4.1 Subsurface Conditions

Subsurface conditions encountered throughout the Site were generally similar. The surface soils generally consist of Silty Clay extending to, at least, 6-feet below ground surface (bgs). Silty Clay soils were also identified in soil borings which extended deeper than 6-feet bgs. For example, BH-08, BH-09, BH-15, and BH-22 exhibited Silty Clay soils to depths of 12.0, 9.0, 17.0, and 11.3-feet bgs, respectively. Sporadically throughout the Site a moist Sandy Silt soil layer was encountered which generally occurs between 4 and 6-feet bgs. This sporadic soil layer, however, did not exhibit the characteristics of a shallow water bearing zone.

An odor of ammonia was commonly encountered in the shallow soils on-Site, but the ammonia odor was not typically observed in soils deeper than 2-feet bgs. The exception to this being locations BH-08 and BH-09 which surround the North Warehouse drag/basement area. Soils from these two soil borings exhibited an ammonia odor to depths of 12-feet and 7.8-feet, respectively.

Soil boring logs, including lithological descriptions, are provided in Appendix A.

4.2 Analytical Data

Soil and water samples were delivered to Alloway of Lima, Ohio for laboratory analysis. Laboratory reports are presented in Appendix B. Chemical analyses for the samples were chosen based upon the historical use of fertilizer at the facility. Analytical results are presented in the following tables following the text of this report:

- Table 1: Laboratory results for all soil samples collected from IA #1, the former South Warehouse.

- Table 2: Laboratory results of all soil samples collected from IA #2, the North Warehouse.
- Table 3: Laboratory results of all soil samples collected from IA #3, the drainage culvert on the west side of the North Warehouse.
- Table 4: A Laboratory results of all soil samples collected from IA #5, the Ag Lime Storage Bin.
- Table 5: Laboratory results of all soil samples collected from IA #6 the North Ditch.
- Table 6: Laboratory results of all soil samples collected from IA #7 the South Ditch.
- Table 7: Laboratory results of all soil samples collected from IA #8 the East Ditch.
- Table 8: Laboratory results of background soil samples.
- Table 9: Laboratory results of the two bulk lime material samples collected adjacent to the Ag Lime Storage Bin.
- Table 10: Laboratory results of all water samples collected as part of the Emergency Response actions and Initial Site Assessment.

Laboratory results of soil sampling indicate the following:

- Former South Warehouse: Ammonia concentrations in the 0 to 2-feet interval ranged from 12.8 mg/Kg in BH-15 to 14,200 mg/Kg in BH-16. Soil borings which exhibited an ammonia concentration above 1,000 mg/Kg in the shallow soils include BH-14, 16, 17, 19 and 21. In the 2 to 4-feet interval ammonia concentrations ranged from 12.4 mg/Kg in BH-28 to 7,700 mg/Kg in BH-16. Soil borings which exhibited an ammonia concentration above 1,000 mg/Kg in the 2 to 4-feet interval include BH-16, 19, 20 and 21.
- North Warehouse: Ammonia concentrations in the 0 to 2-feet interval ranged from 48.4 mg/Kg in BH-6 to 12,300 mg/Kg in BH-7. Soil borings which exhibited an ammonia concentration above 1,000 mg/Kg in the shallow soils include BH-01, 02, 03, 04, 05, 07, 08 and 09. In the 2 to 4-feet interval ammonia concentrations ranged from 21.6 mg/Kg in BH-01 to 326 mg/Kg in BH-04. Soil borings which exhibited an ammonia concentration above 1,000 mg/Kg below the 0 to 2-feet interval include BH-08 and 09 located adjacent to the drag/basement area. These soil borings exhibited ammonia concentrations of 1,090 mg/Kg and 1,480 mg/Kg at depths of 9 to 10.5-feet and 8 to 9-feet, respectively.
- Drainage on West Side of North Warehouse: Ammonia concentrations in the 0 to 2-feet interval ranged from 2,950 mg/Kg in BH-10 to 8,780 mg/Kg in BH-11. In the 2 to 4-feet interval ammonia concentrations ranged from 182 mg/Kg in BH-10 to 299 mg/Kg in BH-11.
- Ag Lime Storage Bin: Ammonia concentrations in the 0 to 2-feet interval ranged from 18.5 mg/Kg in BH-24 to 115 mg/Kg in BH-25. In the 2 to 4-feet interval

ammonia concentrations ranged from 19.6 mg/Kg in BH-25 to 221 mg/Kg in BH-23.

- North Ditch: Ammonia concentrations in the 0 to 2-feet interval ranged from 358 mg/Kg in BH-33 to 8,440 mg/Kg in BH-34. In the 2 to 4-feet interval ammonia concentrations ranged from 21.4 mg/Kg in BH-33 to 2,170 mg/Kg in BH-36.
- South Ditch: Ammonia concentrations in the 0 to 2-feet interval ranged from 9.00 mg/Kg in BH-30 to 32.0 mg/Kg in BH-29. In the 2 to 4-feet interval ammonia concentrations ranged from 21.6 mg/Kg in BH-30 to 27.6 mg/Kg in BH-29.
- East Ditch: Ammonia concentrations in the 0 to 2-feet interval ranged from 98.1 mg/Kg in BH-41 to 269 mg/Kg in BH-39. In the 2 to 4-feet interval ammonia concentrations ranged from 29.3 mg/Kg in BH-40 to 47.3 mg/Kg in BH-39.
- Background Soil: Ammonia concentrations in the 0 to 2-feet interval ranged from 23.7 mg/Kg in BH-26 to 45.5 mg/Kg in BH-32. In the 2 to 4-feet interval ammonia concentrations ranged from <1.00 mg/Kg in BH-26 to 15.1 mg/Kg in BH-32.
- Bulk Lime Material: Ammonia concentrations in the bulk lime material found on the ground adjacent to the Ag Lime Storage Bin ranged from 24.1 mg/Kg in the granular lime material to 25.5 mg/Kg in the powdery lime material.
- Ponded Surface Water at the Ag Lime Storage Bin: The ammonia concentration of the black stained water near the Ag Lime Storage Bin is 47.5 mg/L.
- Perched Water: Soil boring BH-08 was installed into the gravel backfill of the drag/basement in the North Warehouse. The water collected from this backfill material has an ammonia concentration of 30,500 mg/L.
- Potable Water: Water collected from a potable source at the Site has an ammonia concentration of <0.20 mg/L, a Nitrate concentration of 0.48 mg/L and a Nitrite concentration of <0.10 mg/L.

5.0 DISCUSSION OF FINDINGS AND CONCLUSIONS

5.1 Observed Trends

In general, the sample results reflect two trends. First, shallow soils (i.e. 0 to 2-feet) generally reflect elevated ammonia-N concentrations with some results in excess of 10,000 mg/Kg. However, ammonia-N concentrations decrease significantly as soil depth increases, indicating elevated ammonia-N concentrations are generally limited to surface soils which have came into contact with fertilizer products. Second, soil pH is generally greater in samples with elevated concentrations of ammonia-N. For example, the soil sample collected from the 0 to 2-feet interval at BH-19 exhibited a pH of 8.5 and an ammonia-N concentration of 4,790 mg/Kg. The soil sample collected from the 0 to 2-feet interval at BH-16 exhibited a pH of 9.0 and an ammonia-N concentration of 14,200 mg/Kg. Discussion of the link between pH and ammonia-N concentration is relevant due

to elevated pH concentrations in surface water observed by Ohio EPA on December 3, 2008.

5.2 Soil Trend Exceptions

Allied identified two exceptions in the trend of decreasing ammonia-N concentrations at greater soil depths. These two exceptions are: 1) soil borings BH-08 and BH-09 in the North Warehouse; and 2) soil boring BH-16 former South Warehouse.

Soil borings BH-08 and BH-09 in the North Warehouse were advanced adjacent to the drag-pit/basement and indicate elevated ammonia-N concentrations (i.e. >1,000 mg/Kg) at depths of 9 to 10.5-feet and 8 to 9-feet, respectively. The depth of ammonia-N impact in these locations is attributed to the presence of the drag-pit/basement. This structure acts as a pathway to deeper soils and this structure was utilized to handle fertilizer products passing through the building.

Soil boring BH-16 in the former South Warehouse exhibited ammonia-N concentrations of 14,200 mg/Kg, 7,700 mg/Kg and 6,810 mg/Kg at depths of 0 to 2-feet, 2 to 4-feet and 4 to 6-feet, respectively. A potential cause for elevated ammonia-N concentrations in deeper soils which was observed at this location is the historic presence of a drag-pit/basement in the former South Warehouse. This historic structure was removed with the former South Warehouse, and soil borings BH-15 and BH-16 were placed in the vicinity of this historic structure. Soil boring BH-15 was advanced to a depth of 17.0-feet specifically to assess if a shallow water bearing zone was present adjacent to this historic drag-pit/basement structure.

It should also be noted that soil borings BH-19 and BH-21 in the former South Warehouse and soil boring BH-36 in the North Ditch exhibited ammonia-N concentrations in excess of 1,000 mg/Kg at the depth of 2 to 4-feet. However, at the 4 to 6-feet depth interval BH-19, BH-21 and BH-36 exhibited ammonia-N concentrations of 158 mg/Kg, 6.08 mg/Kg and 3.40 mg/Kg, respectively, indicating elevated ammonia-N concentrations are limited to the 0 to 4-feet soil depths at these specific locations.

5.3 Ammonia and pH

The Ohio EPA reported a pH in excess of 11.0 present in a surface water sample collected at the Site on December 3, 2005. According to Mr. Tom Poffenbarger, Ohio EPA Northwest District Office Division of Surface Water, this sample was collected in the North Ditch of surface water that appeared “black” in color. Stagnant surface water collecting in the ditches on-Site often appears to settle into two phases, a clear liquid phase and a dense dark brown aqueous-phase (see Photograph 1). Based on the sample location and color description is very likely that this surface water sample collected by Ohio EPA was collected of the dense dark brown phase liquid collecting in the North Ditch.

Ammonia solutions are typically alkaline and can have a pH of 11 to 12 (US EPA, 2007). Considering the concentrations of ammonia identified in the surface water samples

collected by the Ohio EPA it may be possible that the observed pH value is attributable to the elevated ammonia concentration. Soils on-Site also exhibit elevated pH values (i.e. ≥9.0) which appear to correlate directly with excessive ammonia-N concentrations in soil. Although ammonia is soluble in water, it may be settling in Site surface water in as a dense discolored liquid. This will require further investigation. Surface water on-Site also obtains a brown or black color when it contacts the Ag Lime material.

5.4 Assessment of Identified Areas

5.4.1 IA #1: Former South Warehouse

The area of the former South Warehouse encompasses approximately 30,000-square feet and is covered by exposed soil, stockpiled soil and stockpiled crushed aggregate material. The stockpiles of soil and crushed aggregate material are the result of building and concrete slab deconstruction in the immediate area. In general, soils in this area indicate elevated ammonia-N concentrations in the 0 to 2-foot interval. Soil boring locations BH-14, 16, 17, 19 and 21 exhibited ammonia-N concentrations in the 0 to 2-feet interval greater than 1,000 mg/Kg, with soil boring BH-16 exhibiting the highest ammonia-N concentration at 14,200 mg/Kg in the 0 to 2-feet interval. Soil borings BH-16, 19 and 21 exhibited soil ammonia-N concentrations in excess of 1,000 mg/Kg at greater depths. Soils with elevated ammonia-N concentrations (i.e. ≥1,000 mg/Kg) must be managed from this location. The concentration of 1,000 mg/Kg to be used in this area will be further evaluated.

Samples of the stockpiled material were not collected during this Initial Site Assessment. However, many of these stockpiles have a noticeable ammonia odor and were generated from soils immediately below the former slab. The crushed aggregate material was generated from the crushing of the former building slab. Considering the ammonia-N concentrations observed in the exposed soils of the former South Warehouse, and assuming that the concentrations beneath this former slab prior to deconstruction were likely similar to the concentrations observed presently beneath the North Warehouse, all of this stockpiled material should be considered to have elevated ammonia-N concentrations and handled appropriately.

5.4.2 IA #2: North Warehouse

The North Warehouse is a steel frame building built on a slab foundation which encloses approximately 20,000-square feet. Not only did bulk fertilizer collect in the corners of the building, but years of fertilizer handling in this building have resulted in large quantities of fertilizer materials that have found their way into every possible open space. For example, fertilizer materials filled wall cavities, have adhered to steel beams, and litter the loft conveyer system. Assessment of current conditions in this area have been focused on: 1) removal of bulk fertilizer from the building which is acting as a source of ammonia; 2) identifying the concentrations of ammonia-N in soil present beneath the slab of this building; and 3) evaluating the drag-pit/basement of this building.

Bulk Fertilizer Material

The siding and roof of this building are presently in a deteriorated condition, and, because of this deteriorated condition, historical fertilizer storage and the bulk fertilizer that remained in this building have contributed to surface water contamination. Siding and roofing materials are missing from this building and this allows rain into the interior of the building. Likewise, the drag-pit/basement fills with water and floods the floor of this building. Because of these two factors wet conditions have persisted inside of the building. Bulk fertilizer stored in this persistent wet condition has simply washed out the deteriorated sides of the building onto the adjacent soils and into the North Ditch (see Photograph 2).

Allied has removed the majority of the bulk fertilizer in this building. Wall cavities, open spaces and steel beams that held this source material have been removed or cleaned. As of January 7, 2009 bulk fertilizer material in this building needs to be addressed in three areas: 1) the loft conveyer system; 2) the DEN portion of this building; and 3) the Elevator tower.

Soil Assessment

Nine soil borings were advanced through the floor of this building to evaluate the condition of soils below the building slab. In general, the soils in this area indicate elevated ammonia-N concentrations in the 0 to 2-foot interval. Eight of the nine soil boring advanced in this building exhibited ammonia-N concentrations in the 0 to 2-feet interval greater than 1,000 mg/Kg, with soil boring BH-07 exhibiting the highest ammonia-N concentration at 12,300 mg/Kg in the 0 to 2-feet interval. Only soil boring BH-06 exhibited a low ammonia-N concentration in the 0 to 2-feet interval at 48.4 mg/Kg. Soil borings BH-08 and BH-09, advanced adjacent to the drag-pit/basement, exhibited soil ammonia-N concentrations in excess of 1,000 mg/Kg at greater depths.

Drag-Pit/Basement

As previously stated, this structure acts as a pathway for elevated ammonia-N concentrations in deeper soils of the immediate area. It acts as a pathway because of its present condition and because this structure was historically utilized to handle fertilizer products passing through the building. Presently, this structure contains approximately 4-feet of sludge material, which is likely a mix of water and remnant fertilizer material. Photographs of the interior condition of this structure are presented as Photograph ## and 3 in Appendix C.

It should be noted that this structure collects large amounts of water which likely enter the drag-pit/basement through the manway access present on the exterior of the building or through an underground structure, which appears to be a scale, adjacent to the drag-pit/basement. The water collecting in this structure takes on a very bright green color, likely due to direct contact with remnant bulk fertilizer in the drag-pit/basement. When this structure fills completely with water it then becomes a surface water problem by draining into a nearby catch basin and flooding the floor of the North Warehouse.

Soil boring BH-08 was advanced adjacent to this drag-pit/basement. This boring encountered the backfill gravel material present along the west side of the structure. Eight feet of wet backfill material was identified before native soil was encountered. A sample of perched water encountered in this backfill was collected through the use of a temporary well point as described in Section 3.2.3. The ammonia-N concentration of this perched water was reported by the laboratory at 30,500 mg/L and the Nitrate-N concentration was reported by the laboratory at 63.9mg/L.

5.4.3 IA #3: Drainage Culvert, West Side of North Warehouse

This area includes a drainage way adjacent to the west side of the North Warehouse and bulk fertilizer present on the ground surface west of this drainage. Two soil borings were advanced within the drainage way. In general, the soils in this area indicate elevated ammonia-N concentrations in the 0 to 2-foot interval, and significantly lower soil ammonia-N concentrations in the 2 to 4-foot interval. Soils with elevated ammonia-N concentrations (i.e. ≥300 mg/Kg) must be managed from this location. The concentration of 300 mg/Kg to be used in this area will be further evaluated.

Bulk fertilizer on the ground surface was removed and placed within roll-off boxes for off-Site disposal. The native soil beneath the removed bulk fertilizer has not been characterized by sampling. However considering the relatively small surface area west of the North Warehouse, surface soils this area will be considered to have elevated ammonia-N concentrations and managed appropriately.

5.4.4 IA #4: Yellow Perforated Tile

The Initial Site Assessment Work Plan recommended that this tile be removed and replaced with a non-perforated tile to facilitate storm water drainage from the former South Warehouse area into the existing North Ditch. In its present condition at its origin in the former South Warehouse area, this tile does not appear to draining significant amounts of water. Likewise, excavation of this tile was not undertaken during the Initial Site Assessment because the tile may be buried by an existing rail spur adjacent to the former South Warehouse building. Further investigation is needed into the feasibility of removing this tile from beneath the rail spur.

5.4.5 IA #5: Ag Lime Storage Bin

Four soil borings were advanced in material handling areas adjacent to the Ag Lime Storage Bin. The results of soil sampling indicate relatively low concentrations of ammonia-N in surface soils. The highest ammonia-N concentration observed in soil at this location was 221 mg/Kg in BH-23 at the 2 to 4-feet interval. Soils in this area do not require further management based on the observed low ammonia-N concentrations.

In addition to soil sampling in this area, two samples of the bulk Ag Lime material present on the ground surface were collected and analyzed. The ammonia-N results for these two samples were reported by the laboratory to be similar to ammonia-N concentrations observed in the background soil samples collected on-Site.

One sample of ponded surface water around the Ag Lime Storage Bin was collected for laboratory analysis. This water has a black color, but does not exhibit the same two-phase characteristic observed in stagnant water of the North Ditch. The ammonia-N concentration of this ponded surface water was reported by the laboratory at 47.5 mg/Kg.

5.4.6 IA #6: North Ditch

The North Ditch was evaluated by advancing six soil borings along the center-line of the ditch. In general, the soils in this area indicate elevated ammonia-N concentrations (i.e. ≥300 mg/Kg) in the 0 to 2-feet interval, and significantly lower soil ammonia-N concentrations at the 2 to 4-feet interval. Five of the six soil boring locations advanced within this ditch exhibited ammonia-N concentrations in the 0 to 2-feet interval greater than 1,000 mg/Kg, with soil boring BH-34 exhibiting the highest ammonia-N concentration at 8,440 mg/Kg in the 0 to 2-feet interval. Soil borings BH-36 exhibited a soil ammonia-N concentration in excess of 1,000 mg/Kg in the 2 to 4-feet interval, but the 4 to 6-feet interval in this soil boring exhibited a soil ammonia-N concentration of 3.40 mg/Kg. Soils with elevated ammonia-N concentrations (i.e. ≥300 mg/Kg) must be managed from this location. The concentration of 300 mg/Kg to be used in this area will be further evaluated.

5.4.7 IA #7: South Ditch

The South Ditch was evaluated by advancing three soil borings along the center-line of the ditch. In general, the soils in this area indicate ammonia-N concentrations no greater than background soil ammonia-N concentrations observed on-Site. The highest soil ammonia-N concentration observed in the South Ditch was 32.9 mg/Kg in the 0 to 2-feet interval of BH-29.

As part of Emergency Response actions in this area the ditch was cleaned-out by removing matted vegetation and ice, along with removing approximately 2 to 4-inches of surface soil from the sides and bottom of the ditch. It appears that if significant soil impacts were present in this ditch the Emergency Response removal actions have excavated soils to a level consistent with background ammonia-N concentrations.

5.4.8 IA #8: East Ditch

The East Ditch was evaluated by advancing three soil borings along the center-line of the ditch. Soil boring BH-39 was advanced using the Geoprobe® and soil borings BH-40 and BH-41 were advanced with a hand auger. In general, the soils in this area indicate moderate ammonia-N concentrations in the 0 to 2-feet interval (i.e. ≥200 mg/Kg). Soil collected from deeper intervals exhibited no greater ammonia-N concentrations than observed in background samples collected on-Site. The highest soil ammonia-N concentration observed in the East Ditch was 269 mg/Kg in the 0 to 2-feet interval of BH-39. Moderately impacted sediments (i.e. ≥200 mg/Kg) must be managed from this location because these soils are in direct contact with surface water. The concentration of 200 mg/Kg to be used in this area will be further evaluated.

6.0 RECOMMENDATIONS

The evaluation of feasible remediation alternatives, storm water management and engineered solutions will be a challenging and technically difficult task that will require Allied to procure the services of an external environmental engineering firm to assist in the development of a remedial work plan. Allied recommends procuring the engineering services of Conestoga-Rover & Associates, Inc. (CRA) as a technical consultant to the project. CRA has extensive experience with ammonia contaminated sites in Ohio and would be a valuable asset to the project. The use of this external consultant will allow Allied to fully evaluate the benefits and costs of various remedial options, such as, the technical feasibility of simple clay soil cap or an engineered cap over impacted soil. Likewise, CRA can offer expertise in storm water management for the project.

In order to address the source areas on-Site they have been broken down into eight operable units as discussed below. Figure 4 presents the operable units on a Site plan. All soil excavation recommendations will require the development of a post-excavation sampling scheme to demonstrate removal of soils with elevated levels of ammonia-N.

6.1 Operable Unit #1: Former South Warehouse

SIR long range plans for this area include the construction of a new railcar repair facility building in place of the former South Warehouse. Prior to construction of this new building facility soils identified to have elevated concentrations of ammonia-N and all stockpiled material in this area must be excavated and removed from the Site. It is Allied's understanding that existing specifications for a new facility building in this location will likely require the removal of 2-feet of the existing grade.

Allied recommends removing 2-feet of existing grade in the area of the former South Warehouse for off-Site disposal. This action will remove the soils with elevated ammonia-N concentrations and all of the stockpile material. Additionally, it will be evaluated if deeper soils in the area of BH-16, 19 and 21 will need to be removed.

This area is to be capped following soil removal to isolate any remaining ammonia-N impacted soils from contact with surface water. Allied will evaluate the use of a new facility building slab in combination with an engineered or clay cap for this area. The installation of a temporary impermeable barrier over this area may be examined as an interim engineering measure prior to completion of a facility building.

6.2 Operable Unit #2: North Warehouse

Bulk fertilizer material in this building and the drag-pit/basement are considered immediate threats to surface water on the Site. Removal of bulk fertilizer material has progressed in this building, and the feasibility/safety of removing the remaining bulk fertilizer material will be evaluated prior to continuing with removal.

The drag-pit/basement must be emptied of sludge material and residual bulk fertilizer. This structure must also be addressed as a significant source of water on-Site. Alternatives to remove this structure as a significant source of water will be evaluated.

Because of the concrete slab and existing building the impacted soils beneath this building are not presently exposed to surface water. Options for managing this potential source area must be evaluated based upon the fate of this building. Considerations during evaluation must include the future use of this building, the significant costs associated with removing this building, significant costs of removing the asbestos siding and roof materials from this building, and the costs of soil management.

6.3 Operable Unit #3: Area West of the North Warehouse

This area includes the drainage way adjacent to the west side of the North Warehouse, and bulk fertilizer present on the ground surface west of this drainage. Soils with elevated ammonia-N concentrations were identified in the surface soils of the drainage way. All soils with elevated concentrations of ammonia-N, including surface soils west of the drainage way that were originally covered by bulk fertilizer, must be excavated and removed from the Site.

This area is to be capped following soil removal to isolate any remaining ammonia-N impacted soils from contact with surface water. Allied will evaluate the use of an engineered or clay cap for this area.

6.4 Operable Unit #4: Area North of the North Warehouse

This area includes the soil between the North Ditch and the North Building and soils north of the DEN building. This area was not evaluated during field activities. However, during field activities stressed vegetation was identified throughout this area and bulk fertilizer was identified on the ground surface north of the DEN building.

Allied will evaluate the necessity of additional sampling in this area as compared to assuming the surface soils are impacted and excavating/capping the area.

6.5 Operable Unit #5: Area North of the Continuous Ammonization Building

This area includes the soil immediately north of the Continuous Ammonization Building. This area was not evaluated during field activities. However, during field activities bulk fertilizer was identified on the ground surface north of the Continuous Ammonization Building.

Allied will evaluate the necessity of additional sampling in this area as compared to assuming the surface soils are impacted and excavating/capping the area.

6.6 Operable Unit #6: North Ditch

Soils with elevated ammonia-N concentrations were identified in the surface soils along the entire length of this ditch. Soils with elevated ammonia-N concentrations must be excavated and removed from the Site.

This area is to be capped following soil removal to isolate any remaining ammonia-N impacted soils from contact with surface water. Allied will evaluate the use of an engineered or clay cap for this area.

6.7 Operable Unit #7: South Ditch

In general, the soils in this area indicate ammonia-N concentrations no greater than background soil ammonia-N concentrations observed on-Site. Emergency Response actions removed matted organic matter and 2 to 4-inches of surface soil from the sides and bottom of the ditch. Although soil concentrations appear to be acceptable, Allied recommends excavating at least one more foot of soil from this location to ensure that all soils with elevated ammonia concentrations have been removed from the ditch and to allow for the installation of a capping system which will isolate any remaining ammonia-N impacted soils from contact with surface water. Allied will evaluate the use of an engineered or clay cap for this area.

6.8 Operable Unit #8: East Ditch

In general, the soils in this area indicate moderate ammonia-N concentrations in the 0 to 2-feet interval (i.e. ≥200 mg/Kg). Soil collected from deeper intervals exhibited no greater ammonia-N concentrations than observed in background samples collected on-Site. No sediment or organic matter has been removed from this ditch. Because these soils are in direct contact with surface water Allied recommends excavating all moderately impacted soils and removing them from the Site.

This area is to be capped following soil removal to isolate any remaining ammonia-N impacted soils from contact with surface water. Allied will evaluate the use of an engineered or clay cap for this area.

6.9 Yellow Perforated Tile

The Initial Site Assessment Work Plan recommended that this tile be removed and replaced with a non-perforated tile to facilitate storm water drainage from the former South Warehouse area into the existing North Ditch. In its present condition at its origin in the former South Warehouse area, this tile does not appear to draining significant amounts of water. Likewise, excavation of this tile was not undertaken during the Initial Site Assessment because the tile may be buried by an existing rail spur adjacent to the former South Warehouse building. Further investigation is needed into the feasibility of removing this tile from beneath the rail spur.

6.10 Storm Water Management

As an interim storm water management plan storm water is primarily being managed through dams, sewer plugs and collection in the on-Site ditches as detailed in the Initial Site Assessment Work Plan. Water from the on-Site ditches is being pumped into frac tanks for off-Site disposal. Figure 5 presents a diagram of interim storm water management measures.

Although source areas will be isolated from surface water it will be necessary to engineer a storm water management system. A storm water management system will ensure the efficient and complete capture of surface water at the SIR facility. As stated previously, Allied recommends procuring the engineering services of CRA to assist with the identification and design of a preferred storm water management system.

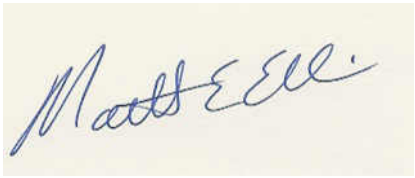
7.0 SCHEDULE

Allied anticipates beginning the work plan for remedial actions immediately upon US EPA and Ohio EPA acceptance of this document and the client's authorization to proceed.

With approval, Allied anticipates excavation activities to commence during the week of January 19th. Excavation activities are anticipated to take eight weeks to complete. Soil cap installation will be initiated following the completion of excavation activities in each operable unit.

The identification of requirements for storm water management will commence immediately upon approval of this document. The schedule for implementation of a final storm water management strategy will depend upon engineering and design requirements and agency review requirements of a preferred storm water management strategy.

All of Which is Respectfully Submitted,
Allied Environmental Services, Inc.



Matthew E. Elkins
Project Geologist

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Tables

TABLE 1

SOIL ANALYTICAL RESULTS
SOUTH WAREHOUSE

Location	BH-12	BH-13	BH-14	BH-14	BH-15	BH-15	BH-16	BH-17	BH-18	BH-18	BH-19	BH-20	BH-21	BH-21	BH-27	BH-28	--
Depth	0-2	0-3	0-2	0-2	0-2	0-2	0-2	0-3	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	--
Sample #	SIR-121008-ME-040	SIR-121008-ME-043	SIR-121008-ME-046	SIR-121008-ME-047	SIR-121108-ME-050	SIR-121108-ME-051	SIR-121108-ME-055	SIR-121108-ME-058	SIR-121108-ME-060	SIR-121108-ME-061	SIR-121108-ME-064	SIR-121108-ME-067	SIR-121108-ME-070	SIR-121108-ME-073	SIR-121108-ME-091	SIR-121108-ME-094	--
Comment				Duplicate		Duplicate				Duplicate				Duplicate			--
Analyte	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	--
Ammonia-N	650	430	114	2560	14.3	12.8	14200	12300	162	76.6	4790	37.6	10000	12500	483	124	--
Nitrate-N	429	255	779	821	146	135	255	486	242	213	1150	475	202	185	110	2.76	--
Nitrite-N	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	--
Total Kjeldahl Nitrogen	4090	4330	2360	3200	240	214	14700	16900	1450	1830	5690	16600	10300	13700	1610	1410	--
Organic Nitrogen	3440	3900	2250	640	226	201	500	4600	1290	1750	900	16600	300	1200	1130	1290	--
pH, Laboratory Analyzed (Estimate)	8.2	7.9	7.7	7.9	7.6	7.6	9.0	8.9	7.9	7.4	8.5	7.4	9.0	9.0	7.1	7.4	--
Phosphorus, Total	670	1160	791	628	323	345	1750	1320	345	391	2250	400	1550	1870	127	2130	--
Total Organic Carbon	<1000	1090	4720	6200	4420	1590	7280	10500	7410	7380	3160	11100	4770	8830	7300	12100	--

Location	BH-12	BH-13	BH-14	--	BH-15	--	BH-16	BH-17	BH-18	--	BH-19	BH-20	BH-21	--	BH-27	BH-28	BH-28
Depth	2-4	3-4	2-4	--	2-4	--	2-4	3-6	2-4	--	2-4	2-4	2-4	--	2-4	2-4	2-4
Sample #	SIR-121008-ME-041	SIR-121008-ME-044	SIR-121008-ME-048	--	SIR-121108-ME-052	--	SIR-121108-ME-056	SIR-121108-ME-059	SIR-121108-ME-062	--	SIR-121108-ME-065	SIR-121108-ME-068	SIR-121108-ME-071	--	SIR-121108-ME-092	SIR-121108-ME-095	SIR-121108-ME-096
Comment				--		--				--				--			Duplicate
Analyte	(mg/Kg)	(mg/Kg)	(mg/Kg)	--	(mg/Kg)	--	(mg/Kg)	(mg/Kg)	(mg/Kg)	--	(mg/Kg)	(mg/Kg)	(mg/Kg)	--	(mg/Kg)	(mg/Kg)	(mg/Kg)
Ammonia-N	129	160	98.3	--	18.7	--	7700	42.2	23.1	--	2290	983	5530	--	22.0	12.4	11.5
Nitrate-N	225	438	451	--	180	--	326	272	33.1	--	665	184	359	--	252	6.07	8.89
Nitrite-N	<0.60	<0.60	<0.60	--	<0.60	--	<0.60	<0.60	<0.60	--	<0.60	<0.60	<0.60	--	<0.60	<0.60	<0.60
Total Kjeldahl Nitrogen	3780	3480	1750	--	39.0	--	9010	185	1850	--	8690	17100	6660	--	1570	55.0	116
Organic Nitrogen	3650	3320	1650	--	20.3	--	1310	143	1830	--	6400	16200	1130	--	1550	42.6	104
pH, Laboratory Analyzed (Estimate)	7.6	6.6	7.5	--	7.6	--	9.0	7.8	7.8	--	8.3	7.7	8.8	--	5.8	7.4	7.2
Phosphorus, Total	563	570	161	--	349	--	412	329	328	--	1950	343	998	--	316	84.8	263
Total Organic Carbon	9880	10500	5390	--	<1000	--	13400	7490	6480	--	7.6	7150	4650	--	2710	3110	3510

Location	--	--	--	--	--	--	BH-16	--	BH-18	--	BH-19	BH-20	BH-21	--	--	BH-28	--
Depth	--	--	--	--	--	--	4-6	--	4-6	--	4-6	4-6	4-6	--	--	4-6	--
Sample #	--	--	--	--	--	--	SIR-121108-ME-057	--	SIR-121108-ME-063	--	SIR-121108-ME-066	SIR-121108-ME-069	SIR-121108-ME-072	--	--	SIR-121108-ME-097	--
Comment	--	--	--	--	--	--		--		--				--	--		--
Analyte	--	--	--	--	--	--	(mg/Kg)	--	(mg/Kg)	--	(mg/Kg)	(mg/Kg)	(mg/Kg)	--	--	(mg/Kg)	--
Ammonia-N	--	--	--	--	--	--	6810	--	50.9	--	158	12.2	6.08	--	--	2.3	--
Nitrate-N	--	--	--	--	--	--	161	--	1.49	--	122	22.1	279	--	--	21.1	--
Nitrite-N	--	--	--	--	--	--	72.5	--	<0.60	--	<0.60	<0.60	<0.60	--	--	<0.60	--
Total Kjeldahl Nitrogen	--	--	--	--	--	--	9680	--	1770	--	635	489	486	--	--	76.0	--
Organic Nitrogen	--	--	--	--	--	--	2870	--	1720	--	477	477	479	--	--	73.7	--
pH, Laboratory Analyzed (Estimate)	--	--	--	--	--	--	9.0	--	7.5	--	7.8	7.6	5.8	--	--	7.4	--
Phosphorus, Total	--	--	--	--	--	--	175	--	400	--	101	234	171	--	--	351	--
Total Organic Carbon	--	--	--	--	--	--	3890	--	11100	--	3280	8570	4660	--	--	2880	--

TABLE 2

SOIL ANALYTICAL RESULTS
NORTH WAREHOUSE

Location	BH-01	BH-02	BH-03	BH-04	BH-04	BH-05	BH-06	BH-07	BH-08	BH-09	--
Depth	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	1-3	0-2	--
Sample #	SIR-121008-ME-001	SIR-121008-ME-004	SIR-121008-ME-007	SIR-121008-ME-010	SIR-121008-ME-011	SIR-121008-ME-014	SIR-121008-ME-017	SIR-121008-ME-020	SIR-121008-ME-023	SIR-121008-ME-028	--
Comment					Duplicate						--
Analyte	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	--
Ammonia-N	10200	6080	7080	6730	8120	3960	48.4	12300	3430	9250	--
Nitrate-N	10.8	24.9	7.66	6.14	6.91	2.58	10.6	5.49	11.1	2.21	--
Nitrite-N	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	--
Total Kjeldahl Nitrogen	13000	11000	11900	13000	14300	9830	1870	18000	8950	14300	--
Organic Nitrogen	2800	4920	4820	6270	6180	5870	1820	5700	5520	5050	--
pH, Laboratory Analyzed (Estimate)	9.4	9.4	9.3	9.3	9.3	9.3	8.2	9.3	9.5	9.2	--
Phosphorus, Total	552	1310	381	441	528	537	214	396	957	461	--
Total Organic Carbon	7880	<1000	9930	12900	9840	6850	2280	5910	<1000	17300	--

Location	BH-01	BH-02	BH-03	BH-04	--	BH-05	BH-06	BH-07	BH-08	BH-09	--
Depth	2-4	2-4	2-4	2-4	--	2-4	2-4	2-4	9-10.5	6-8	--
Sample #	SIR-121008-ME-002	SIR-121008-ME-005	SIR-121008-ME-008	SIR-121008-ME-012	--	SIR-121008-ME-015	SIR-121008-ME-018	SIR-121008-ME-021	SIR-121008-ME-026	SIR-121008-ME-031	--
Comment					--						--
Analyte	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	--	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	--
Ammonia-N	21.6	142	100	326	--	201	27.8	61.8	1090	7830	--
Nitrate-N	<0.60	1.83	2.16	<0.60	--	<0.60	7.54	<0.60	15.8	6.94	--
Nitrite-N	<0.60	<0.60	<0.60	<0.60	--	<0.60	<0.60	<0.60	<0.60	36.7	--
Total Kjeldahl Nitrogen	75.0	165	225	5000	--	6060	2200	2520	5480	12800	--
Organic Nitrogen	53.4	23	125	4670	--	5860	2170	2460	4390	4970	--
pH, Laboratory Analyzed (Estimate)	6.9	7.9	8.6	8.2	--	7.5	7.8	6.7	9.0	9.2	--
Phosphorus, Total	113	138	362	500	--	730	366	121	385	1550	--
Total Organic Carbon	2730	1990	6700	16900	--	15200	4290	6140	<1000	1510	--

Location	--	--	--	BH-04	--	BH-05	--	--	BH-08	BH-09	BH-09
Depth	--	--	--	4-6	--	4-6	--	--	10.5-12	8-9	8-9
Sample #	--	--	--	SIR-121008-ME-013	--	SIR-121008-ME-016	--	--	SIR-121008-ME-027	SIR-121008-ME-032	SIR-121008-ME-033
Comment	--	--	--		--		--	--			Duplicate
Analyte	--	--	--	(mg/Kg)	--	(mg/Kg)	--	--	(mg/Kg)	(mg/Kg)	(mg/Kg)
Ammonia-N	--	--	--	27.2	--	7.20	--	--	875	419	1480
Nitrate-N	--	--	--	<0.60	--	2.53	--	--	9.97	14.8	6.94
Nitrite-N	--	--	--	<0.60	--	<0.60	--	--	<0.60	<0.60	<0.60
Total Kjeldahl Nitrogen	--	--	--	380	--	269	--	--	5080	2700	4040
Organic Nitrogen	--	--	--	353	--	262	--	--	4200	2280	2560
pH, Laboratory Analyzed (Estimate)	--	--	--	7.7	--	7.4	--	--	8.7	8.5	9.0
Phosphorus, Total	--	--	--	299	--	281	--	--	393	376	359
Total Organic Carbon	--	--	--	3270	--	2780	--	--	3360	<1000	<1000

TABLE 3

SOIL ANALYTICAL RESULTS FROM THE DRAINAGE CULVERT ON THE WEST OF THE NORTH WAREHOUSE

Location	BH-10		BH-11
Depth	0-2		0-2
Sample #	SIR-121008-ME-034		SIR-121008-ME-037
	(mg/Kg)		(mg/Kg)
Ammonia-N	2950		8780
Nitrate-N	117		376
Nitrite-N	<0.60		48.2
Total Kjeldahl Nitrogen	5830		14700
Organic Nitrogen	2880		5920
pH, Laboratory Analyzed (Estimate)	9.0		9.2
Phosphorus, Total	1820		4530
Total Organic Carbon	8700		18800

Location	BH-10		BH-11
Depth	2-4		2-4
Sample #	SIR-121008-ME-035		SIR-121008-ME-038
	(mg/Kg)		(mg/Kg)
Ammonia-N	182		299
Nitrate-N	<0.60		187
Nitrite-N	<0.60		<0.60
Total Kjeldahl Nitrogen	3460		3920
Organic Nitrogen	3280		3620
pH, Laboratory Analyzed (Estimate)	7.4		7.7
Phosphorus, Total	189		325
Total Organic Carbon	1540		2180

Location	--		BH-11
Depth	--		4-6
Sample #	--		SIR-121008-ME-039
	--		(mg/Kg)
Ammonia-N	--		43.8
Nitrate-N	--		56.2
Nitrite-N	--		<0.60
Total Kjeldahl Nitrogen	--		325
Organic Nitrogen	--		281
pH, Laboratory Analyzed (Estimate)	--		7.9
Phosphorus, Total	--		376
Total Organic Carbon	--		<1000

TABLE 4

SOIL ANALYTICAL RESULTS
AG LIME STORAGE BIN

Location	BH-22	BH-23	BH-23	BH-24	BH-25
Depth	0-2	0-2	0-2	0-2	0-2
Sample #	SIR-121108-ME-074	SIR-121108-ME-078	SIR-121108-ME-079	SIR-121108-ME-082	SIR-121108-ME-085
Comment			Duplicate		
Analyte	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
Ammonia-N	99.2	22.8	25.3	18.5	115
Nitrate-N	15.1	2.19	15.0	1.96	<0.60
Nitrite-N	<0.60	<0.60	<0.60	<0.60	<0.60
Total Kjeldahl Nitrogen	2190	116	1480	78.0	170
Organic Nitrogen	2090	93.2	1460	59.5	55.0
pH, Laboratory Analyzed (Estimate)	7.8	7.8	6.8	8.0	7.6
Phosphorus, Total	577	259	1650	332	130
Total Organic Carbon	5550	6230	3030	<1000	2140

Location	BH-22	BH-23	--	BH-24	BH-25
Depth	2-4	2-4	--	2-4	2-4
Sample #	SIR-121108-ME-075	SIR-121108-ME-080	--	SIR-121108-ME-083	SIR-121108-ME-086
Comment			--		
Analyte	(mg/Kg)	(mg/Kg)	--	(mg/Kg)	(mg/Kg)
Ammonia-N	152	221	--	31.4	19.6
Nitrate-N	42.6	38.7	--	1.52	8.28
Nitrite-N	<0.60	<0.60	--	<0.60	<0.60
Total Kjeldahl Nitrogen	1150	1780	--	51.0	175
Organic Nitrogen	998	1560	--	19.6	155
pH, Laboratory Analyzed (Estimate)	7.2	5.5	--	8.4	7.6
Phosphorus, Total	330	376	--	325	374
Total Organic Carbon	<1000	4240	--	<1000	2060

Location	--	BH-23	--	--	--
Depth	--	4-6	--	--	--
Sample #	--	SIR-121108-ME-081	--	--	--
Comment	--		--	--	--
Analyte	--	(mg/Kg)	--	--	--
Ammonia-N	--	2.30	--	--	--
Nitrate-N	--	28.5	--	--	--
Nitrite-N	--	<0.60	--	--	--
Total Kjeldahl Nitrogen	--	270	--	--	--
Organic Nitrogen	--	268	--	--	--
pH, Laboratory Analyzed (Estimate)	--	8.3	--	--	--
Phosphorus, Total	--	366	--	--	--

TABLE 4

SOIL ANALYTICAL RESULTS
AG LIME STORAGE BIN

Total Organic Carbon	--		<1000	--		--	--

TABLE 5

SOIL ANALYTICAL RESULTS
NORTH DITCH

Location	BH-33	BH-34	BH-35	BH-35	BH-36	BH-37	BH-37	BH-38
Depth	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2
Sample #	SIR-121208-ME-112	SIR-121208-ME-115	SIR-121208-ME-116B	SIR-121208-ME-117B	SIR-121208-ME-120	SIR-121208-ME-123	SIR-121208-ME-124	SIR-121208-ME-127
Comment				Duplicate			Duplicate	
Analyte	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
Ammonia-N	358	8440	7280	7550	8360	1450	1420	6400
Nitrate-N	169	7.16	1.92	3.72	15.3	34.2	20.3	25.2
Nitrite-N	96.4	9.26	9.30	11.0	19.9	<0.60	<0.60	4.38
Total Kjeldahl Nitrogen	1970	8520	8610	7560	8740	1620	1550	7490
Organic Nitrogen	1610	80.0	1330	10.0	280	170	130	1090
pH, Laboratory Analyzed (Estimate)	7.7	9.3	9.3	9.3	9.2	7.9	8.2	9.1
Phosphorus, Total	899	279	389	351	1790	240	466	1360
Total Organic Carbon	4290	4550	3340	2000	6840	3340	3010	2130

Location	BH-33	BH-34	BH-35	--	BH-36	BH-37	--	BH-38
Depth	2-4	2-4	2-4	--	2-4	2-4	--	2-4
Sample #	SIR-121208-ME-113	SIR-121208-ME-116A	SIR-121208-ME-118	--	SIR-121208-ME-121	SIR-121208-ME-125	--	SIR-121208-ME-128
Comment				--			--	
Analyte	(mg/Kg)	(mg/Kg)	(mg/Kg)	--	(mg/Kg)	(mg/Kg)	--	(mg/Kg)
Ammonia-N	21.4	40.3	39.5	--	2170	24.1	--	38.4
Nitrate-N	30.2	5.48	8.22	--	3.41	24.8	--	2.58
Nitrite-N	1.69	<0.60	<0.60	--	<0.60	<0.60	--	<0.60
Total Kjeldahl Nitrogen	1100	59.0	42.0	--	2580	73.0	--	53.0
Organic Nitrogen	1080	18.7	2.50	--	410	48.9	--	14.6
pH, Laboratory Analyzed (Estimate)	7.9	8.3	8.1	--	9.2	7.2	--	8.1
Phosphorus, Total	348	344	321	--	394	293	--	344
Total Organic Carbon	<1000	<1000	<1000	--	<1000	3720	--	<1000

Location	--	--	--	--	BH-36	--	--	--
Depth	--	--	--	--	4-6	--	--	--
Sample #	--	--	--	--	SIR-121208-ME-122	--	--	--
Comment	--	--	--	--		--	--	--
Analyte	--	--	--	--	(mg/Kg)	--	--	--
Ammonia-N	--	--	--	--	3.40	--	--	--
Nitrate-N	--	--	--	--	8.22	--	--	--
Nitrite-N	--	--	--	--	<0.60	--	--	--
Total Kjeldahl Nitrogen	--	--	--	--	351	--	--	--
Organic Nitrogen	--	--	--	--	348	--	--	--
pH, Laboratory Analyzed (Estimate)	--	--	--	--	8.3	--	--	--
Phosphorus, Total	--	--	--	--	376	--	--	--
Total Organic Carbon	--	--	--	--	<1000	--	--	--

TABLE 6

SOIL ANALYTICAL RESULTS
SOUTH DITCH

Location	BH-29		BH-30		BH-31
Depth	0-2		0-2		0-2
Sample #	SIR-121208-ME-099		SIR-121208-ME-102		SIR-121208-ME-105
Comment					
Analyte	(mg/Kg)		(mg/Kg)		(mg/Kg)
Ammonia-N	32.9		9.00		28.3
Nitrate-N	37.9		26.6		10.9
Nitrite-N	<0.60		<0.60		<0.60
Total Kjeldahl Nitrogen	66.0		50.0		69.0
Organic Nitrogen	33.1		41.0		40.7
pH, Laboratory Analyzed (Estimate)	7.4		7.7		8.0
Phosphorus, Total	353		109		313
Total Organic Carbon	2070		3260		<1000

Location	BH-29		BH-30		BH-31
Depth	2-4		2-4		2-4
Sample #	SIR-121208-ME-100		SIR-121208-ME-103		SIR-121208-ME-106
Comment					
Analyte	(mg/Kg)		(mg/Kg)		(mg/Kg)
Ammonia-N	27.6		21.6		26.8
Nitrate-N	12.3		4.29		3.01
Nitrite-N	<0.60		<0.60		<0.60
Total Kjeldahl Nitrogen	86.0		2230		47.0
Organic Nitrogen	58.4		2210		20.2
pH, Laboratory Analyzed (Estimate)	7.9		8.0		8.3
Phosphorus, Total	287		344		367
Total Organic Carbon	3250		3900		2370

TABLE 7

SOIL ANALYTICAL RESULTS
EAST DITCH

Location	BH-39		BH-40		BH-41
Depth	0-2		0-2		0-2
Sample #	SIR-121208-ME-130		SIR-121508-ME-133		SIR-121508-ME-135
Comment					
Analyte	(mg/Kg)		(mg/Kg)		(mg/Kg)
Ammonia-N	269		200		98.1
Nitrate-N	44.9		119		66.7
Nitrite-N	3.52		3.00		<0.60
Total Kjeldahl Nitrogen	432		333		166
Organic Nitrogen	163		133		67.9
pH, Laboratory Analyzed (Estimate)	5.6		5.6		6.3
Phosphorus, Total	1600		15100		2290
Total Organic Carbon	6130		22800		11900

Location	BH-39		BH-40		BH-41
Depth	2-4		2		2
Sample #	SIR-121208-ME-131		SIR-121508-ME-134		SIR-121508-ME-136
Comment					
Analyte	(mg/Kg)		(mg/Kg)		(mg/Kg)
Ammonia-N	47.3		29.3		34.3
Nitrate-N	23.4		39.3		20.6
Nitrite-N	<0.60		<0.60		9.96
Total Kjeldahl Nitrogen	68.0		163		99.0
Organic Nitrogen	20.7		134		64.7
pH, Laboratory Analyzed (Estimate)	7.4		6.9		6.7
Phosphorus, Total	582		882		549
Total Organic Carbon	5580		2630		4810

TABLE 8

SOIL ANALYTICAL RESULTS FROM BACKGROUND SAMPLING

Location	BH-26		BH-32	BH-32
Depth	0-2		0-2	0-2
Sample #	SIR-121108-ME-088		SIR-121208-ME-108	SIR-121208-ME-109
Comment				Duplicate
Analyte	(mg/Kg)		(mg/Kg)	(mg/Kg)
Ammonia-N	23.7		45.5	8.80
Nitrate-N	<0.60		2.54	2.09
Nitrite-N	<0.60		<0.60	<0.60
Total Kjeldahl Nitrogen	1780		256	2170
Organic Nitrogen	1760		210	2160
pH, Laboratory Analyzed (Estimate)	8.3		8.1	7.8
Phosphorus, Total	539		82.3	65.4
Total Organic Carbon	4020		10500	4360

Location	BH-26		BH-32	--
Depth	2-4		2-4	--
Sample #	SIR-121108-ME-089		SIR-121208-ME-110	--
Comment				--
Analyte	(mg/Kg)		(mg/Kg)	--
Ammonia-N	<1.00		15.1	--
Nitrate-N	<0.60		1.56	--
Nitrite-N	<0.60		<0.60	--
Total Kjeldahl Nitrogen	35.0		44.0	--
Organic Nitrogen	35.0		28.9	--
pH, Laboratory Analyzed (Estimate)	8.3		7.6	--
Phosphorus, Total	472		206	--
Total Organic Carbon	3680		2680	--

TABLE 9

ANALYTICAL DATA
BULK LIME MATERIAL

Location	Ag Lime	Granular
Depth	Surface	Ag Lime Bin
Sample #	SIR-121108-ME-077	SIR-121508-ME-137
	(mg/Kg)	(mg/Kg)
Ammonia-N	25.5	24.1
Nitrate-N	3.16	2.37
Nitrite-N	<0.10	<0.60
Total Kjeldahl Nitrogen	71	69.0
Organic Nitrogen	45.5	44.9
pH, Laboratory Analyzed (Estimate)	8.0	8.3
Phosphorus, Total	63.2	76.7
Total Organic Carbon	<1000	8220

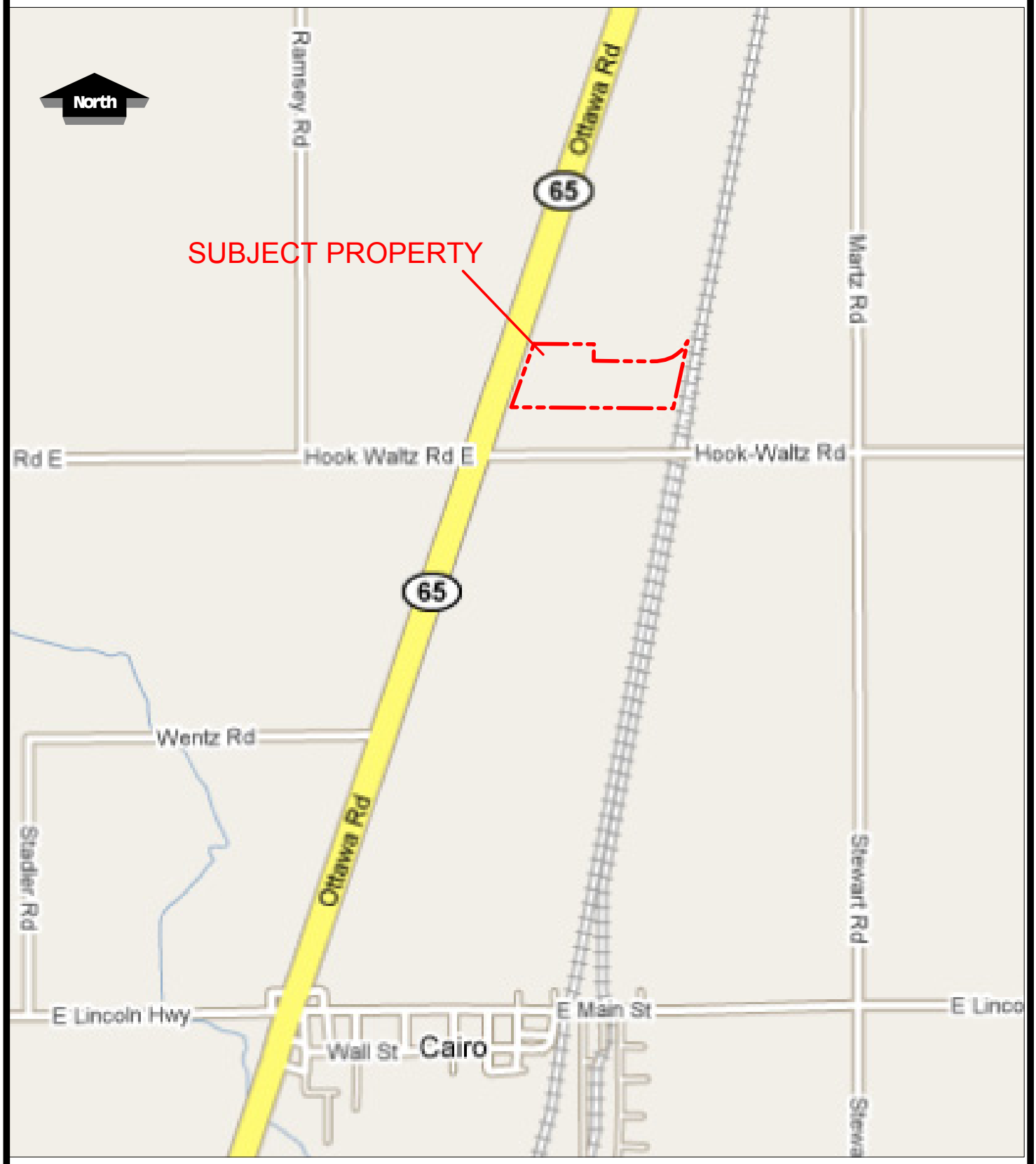
TABLE 10

WATER SAMPLE ANALYTICAL RESULTS

Location	South Ditch Outfall	North Ditch Outfall	North Ditch	North Ditch	East Ditch Outfall	Warrington Ditch Confluance	Warrington Ditch Down Stream	Warrington Ditch Up Stream	Warrington Ditch Up Stream Dam
	12/3/08	12/3/08	12/3/08	12/3/08	12/3/08	12/3/08	12/3/08	12/3/08	12/15/08
Sample #	SIR-01	SIR-02	SIR-06	SIR-07	SIR-03	SIR-04	SIR-05	SIR-10	SIR-121508-ME-W11
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Ammonia-N	3130	3100	665	3600	228	728	2.37	<0.20	2.11
Nitrate-N	641	620	643	515	566	275	<0.10	1.82	10.3
Nitrite-N	--	--	--	--	--	--	--	--	--
Total Kjeldahl Nitrogen	--	--	--	--	--	--	--	--	--
Organic Nitrogen	--	--	--	--	--	--	--	--	--
pH, Laboratory Analyzed (Estimate)	--	--	--	--	--	--	--	--	--
Phosphorus, Total	--	--	--	--	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--	--	--	--	--

Location	Ponded Water	Ponded Water	Ponded Water Ag Lime Storage Bin	Potable Water Sink in bathroom of Office	BH-08 Perched Water in Backfill
Date	12/3/08	12/3/08	12/10/2008	12/15/08	12/10/08
Sample #	SIR-08	SIR-09	SIR-121008-ME-W02	SIR-121508-ME-W03	SIR-121008-ME-W01
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
Ammonia-N	389	695	47.5	<0.20	30,500
Nitrate-N	604	199	128	0.48	63.9
Nitrite-N	--	--	--	<0.10	--
Total Kjeldahl Nitrogen	--	--	--	--	--
Organic Nitrogen	--	--	--	--	--
pH, Laboratory Analyzed (Estimate)	--	--	--	--	--
Phosphorus, Total	--	--	--	--	--
Total Organic Carbon	--	--	--	--	--

Figures



PREPARED BY:

ALLIED ENVIRONMENTAL SERVICES, INC.

1867 SOUTH DIXIE HIGHWAY
LIMA, OHIO

DATE: 12-8-08

DRAWN BY: CR

NOT TO SCALE

FIGURE 1

SITE LOCATION MAP

SOUTHERN ILLINOIS RAIL FACILITY
7570 OTTAWA ROAD
CAIRO, OHIO

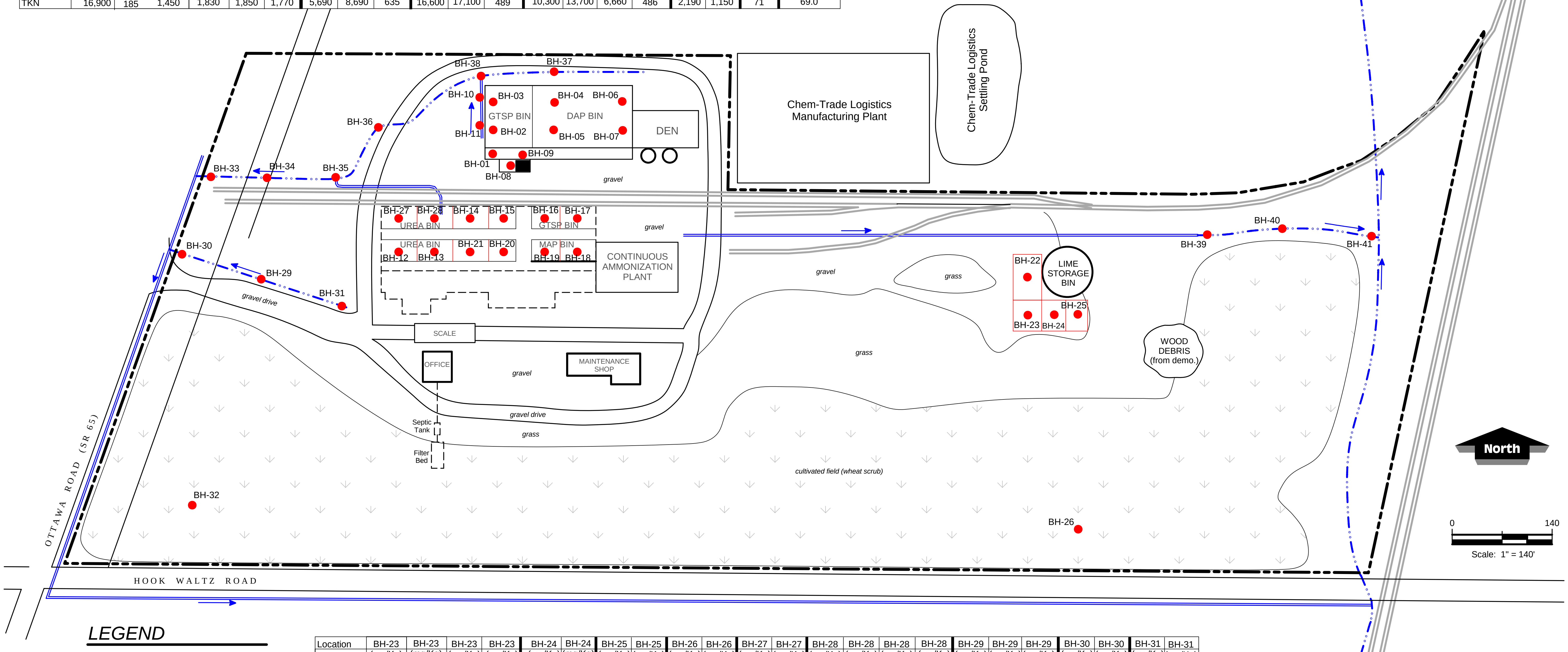
Location	BH-01	BH-01	BH-02	BH-02	BH-03	BH-03	BH-04	BH-04	BH-04	BH-04	BH-05	BH-05	BH-05	BH-06	BH-06
	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
Depth (feet)	0-2	2-4	0-2	2-4	0-2	2-4	0-2	0-2	2-4	4-6	0-2	2-4	4-6	0-2	2-4
Ammonia	10,200	21.6	6,080	142	7,080	100	6,730	8,120	326	27.2	3,960	201	7.20	48.4	27.8
Nitrate-N	10.8	<0.60	24.9	1.83	7.66	2.16	6.14	6.91	<0.60	<0.60	2.58	<0.60	<0.60	10.6	7.54
Nitrite-N	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	262	<0.60	<0.60
TKN	13,000	75.0	11,000	165	11,900	225	13,000	14,300	5,000	380	9,830	6,060	296	1,870	2,200

Location	BH-07	BH-07	BH-08	BH-08	BH-08	BH-09	BH-09	BH-09	BH-09	BH-10	BH-10	BH-11	BH-11	BH-11
	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
Depth (feet)	0-2	2-4	1-3	9-10.5	10.5-12	0-2	6-8	8-9	8-9	0-2	2-4	0-2	2-4	4-6
Ammonia	12,300	61.8	3,430	1,090	875	9,250	7,830	419	1,480	2,950	182	8,780	299	43.8
Nitrate-N	5.49	<0.60	11.1	15.8	9.97	2.21	6.94	14.8	6.94	117	<0.60	376	187	56.2
Nitrite-N	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	36.7	<0.60	<0.60	<0.60	<0.60	48.2	<0.60	<0.60
TKN	18,000	2,520	8,950	5,480	5,080	14,300	12,800	2,700	4,040	5,830	3,460	14,700	3,920	325

Location	BH-12	BH-12	BH-13	BH-13	BH-14	BH-14	BH-14	BH-15	BH-15	BH-15	BH-16	BH-16	BH-16
	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
Depth (feet)	0-2	2-4	0-3	3-4	0-2	0-2	2-4	0-2	0-2	2-4	0-2	2-4	4-6
Ammonia	650	129	430	160	114	2,560	98.3	14.3	12.8	18.7	14,200	7,700	6,810
Nitrate-N	429	225	225	438	779	821	451	146	135	180	255	326	161
Nitrite-N	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	72.5
TKN	4,090	3,780	4,330	3,480	2,360	3,200	1,750	240	214	39.0	14,700	9,010	9,680

Location	BH-17	BH-17	BH-18	BH-18	BH-18	BH-18	BH-19	BH-19	BH-19	BH-20	BH-20	BH-20
	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
Depth (feet)	0-3	3-6	0-2	0-2	2-4	4-6	0-2	2-4	4-6	0-2	2-4	4-6
Ammonia	12,300	42.2	162	76.6	23.1	50.9	4,790	2,290	158	37.6	983	12.2
Nitrate-N	486	272	242	213	33.1	1.49	1,150	665	122	475	184	22.1
Nitrite-N	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60
TKN	16,900	185	1,450	1,830	1,850	1,770	5,690	8,690	635	16,600	17,100	489

Location	BH-21	BH-21	BH-21	BH-21	BH-22	BH-22	Ag Lime	Granular Lime
	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
Depth (feet)	0-2	0-2	2-4	4-6	0-2	2-4	Surface	Surface
Ammonia	10,000	12,500	5,530	6.80	99.2	152	25.5	24.1
Nitrate-N	202	185	359	279	15.1	42.6	3.16	2.37
Nitrite-N	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.10	<0.60
TKN	10,300	13,700	6,660	486	2,190	1,150	71	69.0



LEGEND

= Rail Line / Rail Spur

= Direction of Drainage Flow

= Subject Property Boundary

= Open Surface Water Drainage (Ditch)

= Buried Water Drainage Pipe / Tile

= Proposed Soil Boring / Sample Location

= Sample Grid

Location	BH-23	BH-23	BH-23	BH-23	BH-24	BH-24	BH-25	BH-25	BH-26	BH-26	BH-27	BH-27
	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
Depth (feet)	0-2	0-2	2-4	4-6	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2-4
Ammonia	22.8	25.3	221	2.3	18.5	31.4	115	19.6	23.7	<1.00	483	22.0
Nitrate-N	2.19	15.0	38.1	28.5	1.96	1.52	<0.60	8.28	<0.60	<0.60	110	252
Nitrite-N	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60
TKN	116	1,480	1,780	270	78.0	51.0	170	175	1,780	35.0	1,610	1,570

Location	BH-28	BH-28	BH-28	BH-28	BH-29	BH-29	BH-29	BH-30	BH-30	BH-31	BH-31
	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
Depth (feet)	0-2	2-4	2-4	4-6	0-2	0-2	2-4	0-2	2-4	0-2	2-4
Ammonia	124	12.4	11.5	2.3	1,709	32.9	27.6	9.00	21.6	28.3	26.8
Nitrate-N	2.76	6.07	8.89	21.1	39.1	37.9	12.3	26.6	4.29	10.9	3.01
Nitrite-N	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60
TKN	1,410	55.0	116	76.0	25.0	66.0	86.0	50.0	2,230	69.0	47.0

Location	BH-32	BH-32	BH-32	BH-33	BH-33	BH-34	BH-34	BH-35	BH-35	BH-35	BH-36	BH-36	BH-36
	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
Depth (feet)	0-2	0-2	2-4	0-2	2-4	0-2	2-4	0-2	0-2	2-4	0-2	2-4	4-6
Ammonia	45.5	8.80	15.1	358	21.4	8,440	40.3	7,280	7,550	39.5	8,360	2,170	3.40
Nitrate-N	2.54	2.09	1.56	169	30.2	7.16	5.48	1.92	3.72	8.22	15.3	3.41	8.22
Nitrite-N	<0.60	<0.60	<0.60	96.4	1.69	9.26	<0.60	9.30	11.0	<0.60	19.9	<0.60	<0.60
TKN		2,170	44.0	1,970	1,100	8,520	59.0	8,610	7,560	42.0	8,740	2,580	351

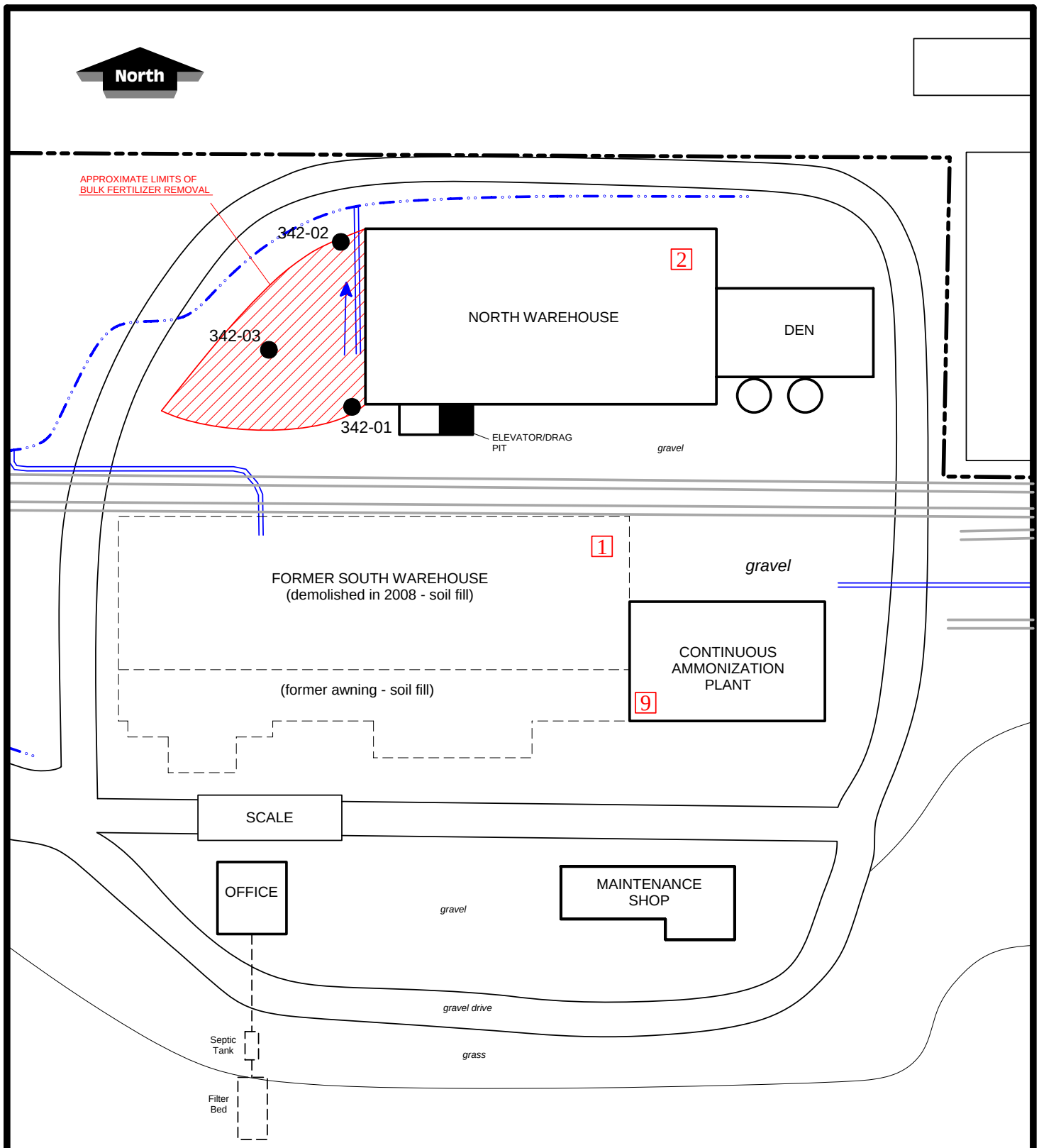
Location	BH-37	BH-37	BH-37	BH-38	BH-38	BH-39	BH-39	BH-40	BH-40	BH-41	BH-41
	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
Depth (feet)	0-2	0-2	2-4	0-2	2-4	0-2	2-4	0-2	2	0-2	2
Ammonia	1,450	1,420	24.1	6,400	38.4	269	47.3	200	29.3	98.1	34.3
Nitrate-N	34.2	20.3	24.8	25.2	2.58	44.9	23.4	119	39.3	66.7	20.6
Nitrite-N	<0.60	<0.60	<0.60	4.38	<0.60	3.52	<0.60	3.00	<0.60	<0.60	9.96
TKN	1,620	1,550	73.0	7,490	53.0	432	68.0	333	163	166	99.0

FIGURE 2 ALLIED ENVIRONMENTAL SERVICES, INC.

SITE PLAN AND SAMPLE LOCATIONS WITH SELECT ANALYTICAL RESULTS

SOUTHERN ILLINOIS RAIL FACILITY
7570 OTTAWA ROAD
CAIRO, OHIO

SCALE: 1" = 140' | DATE: 12/08/04 | DRAWN BY: CR



LEGEND

- = Rail Line / Rail Spur
- = Subject Property Boundary
- = Open Surface Water Drainage (Ditch)
- = Buried Water Drainage Pipe / Tile
- 9 = "Identified Area" Locations
- 342-03 = Air Sample Location

0 80

Scale: 1" = 80'

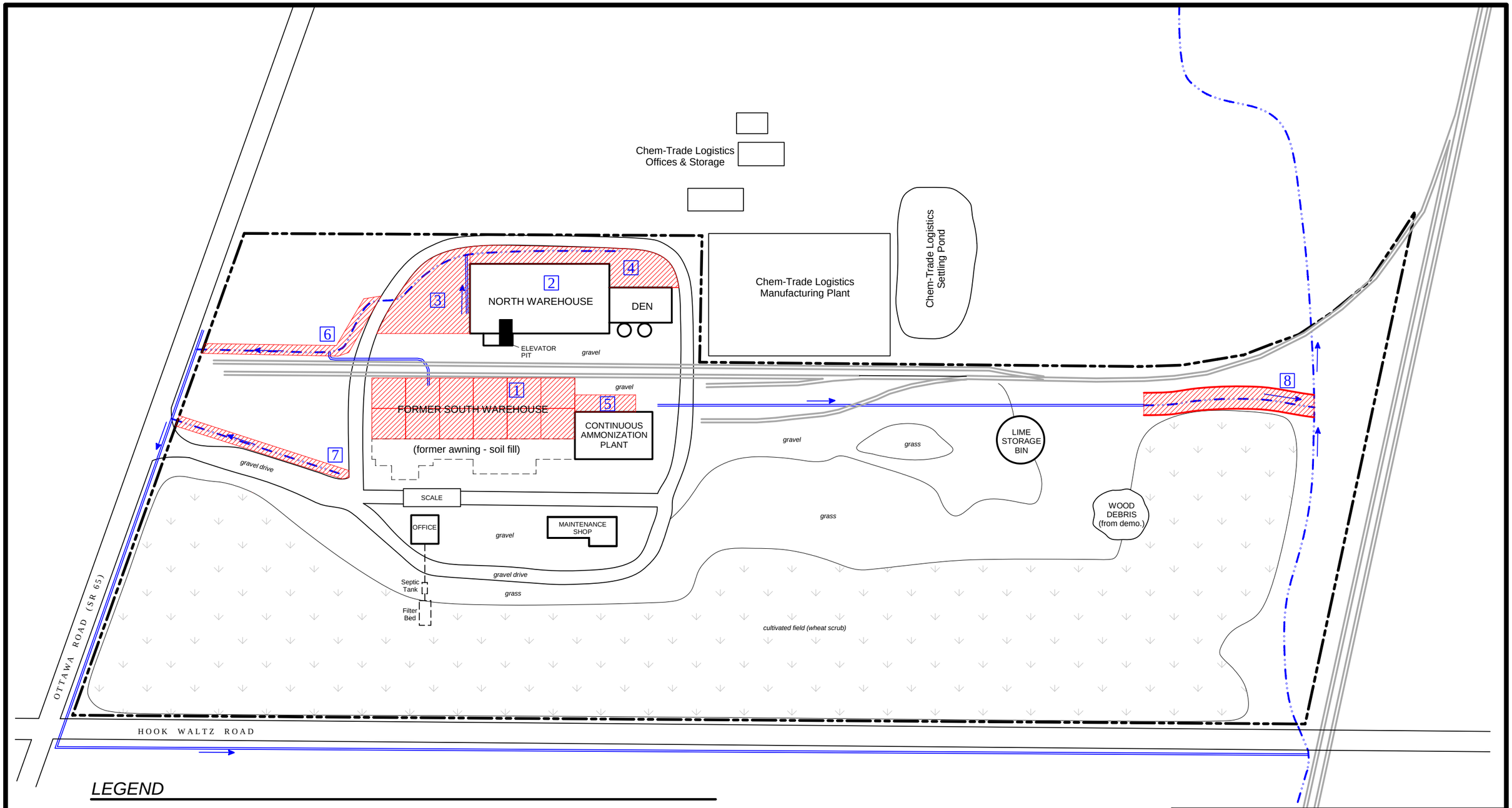
FIGURE 3

ALLIED ENVIRONMENTAL SERVICES, INC.

HEALTH & SAFETY AIR SAMPLING LOCATIONS 12/18/08

SOUTHERN ILLINOIS RAIL FACILITY
7570 OTTAWA ROAD
CAIRO, OHIO

SCALE: 1" = 140'	DATE: 12/08/04	DRAWN BY: CR



LEGEND

- = Rail Line / Rail Spur
- = Direction of Drainage Flow
- = Subject Property Boundary
- = Open Surface Water Drainage (Ditch)
- = Buried Water Drainage Pipe / Tile
- = Excavation Work Zone Locations

1 = Former South Warehouse
Excavate & Cap with building slab and soil cap

2 = North Warehouse

3 = West of the North Warehouse
Excavate & Cap

4 = North of North Warehouse
Excavate & Cap

5 = North of the Continuous Ammonization Building
Excavate & Cap with building slab and soil cap

6 = North Ditch
Excavate & Cap

7 = South Ditch
Excavate 1-foot of soil & Cap

8 = East Ditch
Excavate & Cap

North

0 140

Scale: 1" = 140'

FIGURE 4

ALLIED ENVIRONMENTAL SERVICES, INC.

OPERABLE UNIT WORK AREAS

SOUTHERN ILLINOIS RAIL FACILITY
7570 OTTAWA ROAD
CAIRO, OHIO

SCALE: 1" = 140'	DATE: 1/6/09	DRAWN BY: ME

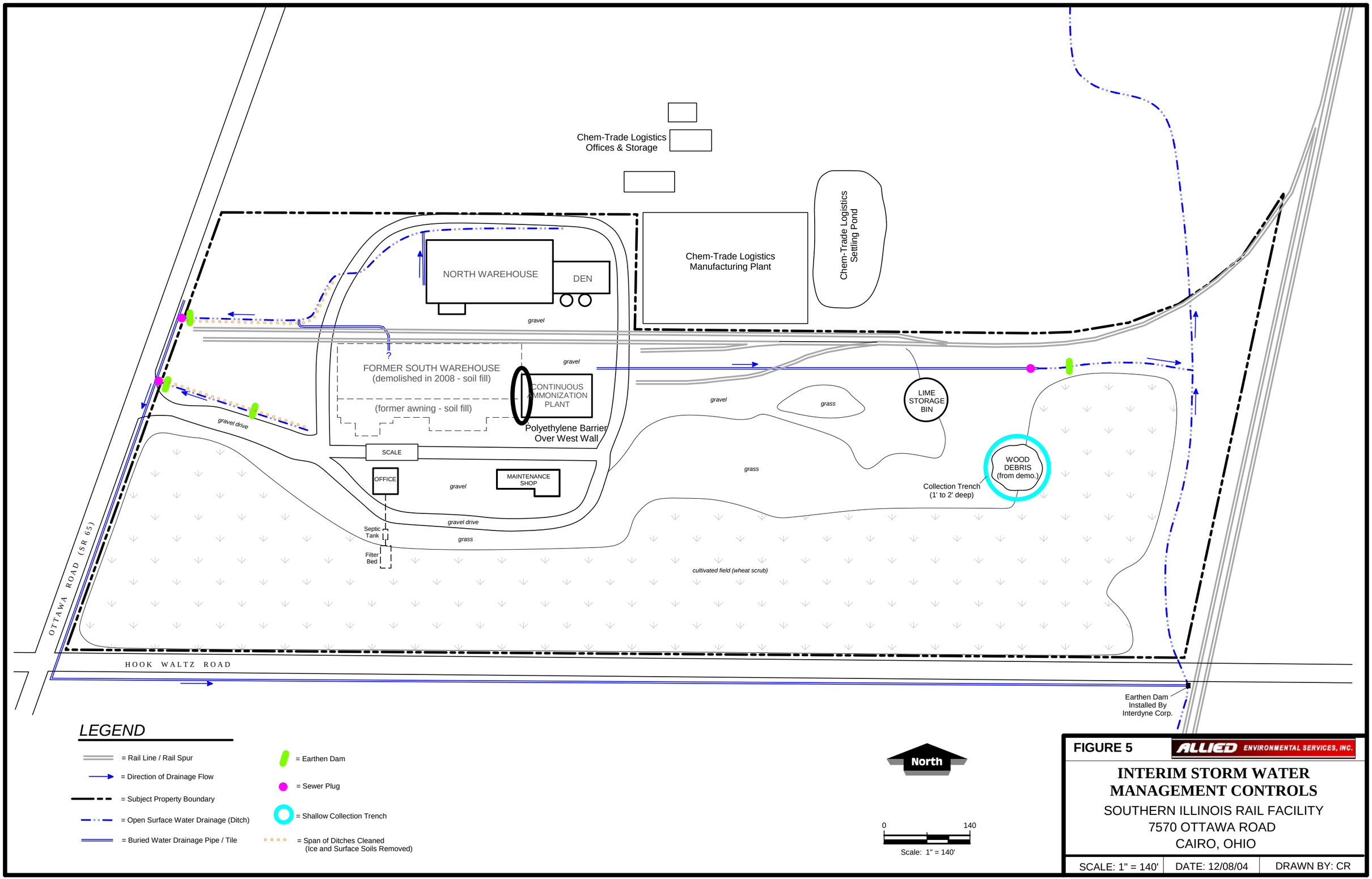


FIGURE 5

ALLIED ENVIRONMENTAL SERVICES, INC.

INTERIM STORM WATER MANAGEMENT CONTROLS

SOUTHERN ILLINOIS RAIL FACILITY
7570 OTTAWA ROAD
CAIRO, OHIO

SCALE: 1" = 140'	DATE: 12/08/04	DRAWN BY: CR

Appendix A

Boring Logs

ALLIED ENVIRONMENTAL SERVICES, INC.

BORING I.D. BH-01

SHEET 1 OF 1

CLIENT: Southern Illinois Railcar	TOTAL DEPTH: 6.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio	DEPTH TO WATER: NA
PROJECT: Initial Site Assessment	STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises	CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length	SCREENED INTERVAL: NA
DATE STARTED: 12/10/08	LOGGED BY: Matt Elkins
DATE FINISHED: 12/10/08	

NO WELL COMPLETED
Surface Elev.:

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0					Concrete floor. Poor Condition.
					Gravel fill. Strong ammonia odor.
	1	001	193.4		SILTY CLAY, moist, brown, stiff.
					SILTY CLAY, dry, brown, stiff.
	2	002	0.0		
5	3	003	0.0		
10					

Total Sampled Depth = 6.0 ft.
Total Boring Depth = 6.0 ft.

Recovery:
0.5 - 3.0 feet = 24-inches.
3.0 - 6.0 feet = 36-inches.

01-07-2009 O:\Clients\Miscellaneous\Southern Illinois Railcar\SIR Boring Logs\BH-01.bor

ALLIED ENVIRONMENTAL SERVICES, INC.

BORING I.D. BH-02

SHEET 1 OF 1

CLIENT: Southern Illinois Railcar	TOTAL DEPTH: 6.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio	DEPTH TO WATER: NA
PROJECT: Initial Site Assessment	STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises	CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length	SCREENED INTERVAL: NA
DATE STARTED: 12/10/08	LOGGED BY: Matt Elkins
DATE FINISHED: 12/10/08	

NO WELL COMPLETED
Surface Elev.:

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0					Concrete floor. Poor Condition.
	1	004	242.2		Gravel fill. Strong ammonia odor.
					SILTY CLAY, moist, brown, stiff.
	2	005	0.0		SILTY CLAY, dry, stiff, grey w/ few brown mottles.
5	3	006	0.0		SILTY CLAY, dry, stiff, grey w/ many brown mottles.
					Total Sampled Depth = 6.0 ft. Total Boring Depth = 6.0 ft. Recovery: 0.7 - 3.0 feet = 25-inches. 3.0 - 6.0 feet = 36-inches.
10					

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ALLIED ENVIRONMENTAL SERVICES, INC.

BORING I.D. BH-03

SHEET 1 OF 1

CLIENT: Southern Illinois Railcar	TOTAL DEPTH: 6.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio	DEPTH TO WATER: NA
PROJECT: Initial Site Assessment	STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises	CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length	SCREENED INTERVAL: NA
DATE STARTED: 12/10/08	LOGGED BY: Matt Elkins
DATE FINISHED: 12/10/08	

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0					Concrete floor. Poor Condition.
	1	007	160.2		Gravel fill. Strong ammonia odor.
					SILTY CLAY, moist, stiff, brown w/ brown mottles.
	2	008	18.5		SILTY CLAY, dry, stiff, brown w/ many grey mottles. Black staining at 2.5-feet...
5	3	009	0.0		
					Total Sampled Depth = 6.0 ft. Total Boring Depth = 6.0 ft. Recovery: 1.0 - 3.0 feet = 24-inches. 3.0 - 6.0 feet = 36-inches.
10					

NO WELL COMPLETED
Surface Elev.:

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ALLIED ENVIRONMENTAL SERVICES, INC.

BORING I.D. BH-04

SHEET 1 OF 1

CLIENT: Southern Illinois Railcar	TOTAL DEPTH: 6.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio	DEPTH TO WATER: NA
PROJECT: Initial Site Assessment	STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises	CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length	SCREENED INTERVAL: NA
DATE STARTED: 12/10/08	LOGGED BY: Matt Elkins
DATE FINISHED: 12/10/08	

NO WELL COMPLETED
Surface Elev.:

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0					Concrete floor & fill.
	1	010, 011	135.3		SILTY CLAY, moist, grey, staining, ammonia odor.
	2	012	0.0		SILTY CLAY, dry, grey, ammonia odor.
					SILTY CLAY, dry, stiff, grey w/ few brown mottles.
5	3	013	0.0		SILTY CLAY, dry, stiff, grey w/ many brown mottles.
10					

Total Sampled Depth = 6.0 ft.
Total Boring Depth = 6.0 ft.

Recovery:
1.5 - 3.0 feet = 29-inches.
3.0 - 6.0 feet = 36-inches.

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ALLIED ENVIRONMENTAL SERVICES, INC.

BORING I.D. BH-05

SHEET 1 OF 1

CLIENT: Southern Illinois Railcar	TOTAL DEPTH: 6.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio	DEPTH TO WATER: NA
PROJECT: Initial Site Assessment	STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises	CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length	SCREENED INTERVAL: NA
DATE STARTED: 12/10/08	LOGGED BY: Matt Elkins
DATE FINISHED: 12/10/08	

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0					Concrete floor. Poor condition.
	1	014	206.2		SILTY CLAY, dry, stiff, grey, staining, ammonia odor.
	2	015	0.0		SILTY CLAY, dry, stiff, grey w/ brown mottles.
5	3	016	0.0		
					Total Sampled Depth = 6.0 ft. Total Boring Depth = 6.0 ft. Recovery: 0.7 - 3.0 feet = 26-inches. 3.0 - 6.0 feet = 36-inches.
10					

NO WELL COMPLETED
Surface Elev.:

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ALLIED ENVIRONMENTAL SERVICES, INC.

BORING I.D. BH-06

SHEET 1 OF 1

CLIENT: Southern Illinois Railcar	TOTAL DEPTH: 6.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio	DEPTH TO WATER: NA
PROJECT: Initial Site Assessment	STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises	CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length	SCREENED INTERVAL: NA
DATE STARTED: 12/10/08	LOGGED BY: Matt Elkins
DATE FINISHED: 12/10/08	

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0					Concrete floor. Poor condition.
	1	017	62.2		SILTY CLAY, dry, stiff, brown w/ grey mottles, ammonia odor.
	2	018	0.5		SILTY CLAY, dry, stiff, brown w/ grey mottles.
5	3	019	0.3		
					Total Sampled Depth = 6.0 ft. Total Boring Depth = 6.0 ft. Recovery: 0.7 - 3.0 feet = 14-inches. 3.0 - 6.0 feet = 36-inches.
10					

NO WELL COMPLETED
Surface Elev.:

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ALLIED ENVIRONMENTAL SERVICES, INC.

BORING I.D. BH-07

SHEET 1 OF 1

CLIENT: Southern Illinois Railcar	TOTAL DEPTH: 6.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio	DEPTH TO WATER: NA
PROJECT: Initial Site Assessment	STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises	CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length	SCREENED INTERVAL: NA
DATE STARTED: 12/10/08	LOGGED BY: Matt Elkins
DATE FINISHED: 12/10/08	

NO WELL COMPLETED
Surface Elev.:

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0					Concrete floor. Poor condition.
	1	020	305.6		SILTY CLAY, moist, stiff, grey, strong ammonia odor.
	2	021	0.7		SILTY CLAY, moist, stiff, grey.
					SILTY CLAY, dry, stiff, brown w/ grey mottles.
5	3	022	0.6		
10					

Total Sampled Depth = 6.0 ft.
Total Boring Depth = 6.0 ft.

Recovery:
1.0 - 3.0 feet = 25-inches.
3.0 - 6.0 feet = 36-inches.

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ALLIED ENVIRONMENTAL SERVICES, INC.

BORING I.D. BH-08

SHEET 1 OF 1

CLIENT: Southern Illinois Railcar	TOTAL DEPTH: 12.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio	DEPTH TO WATER: 1.0-feet
PROJECT: Initial Site Assessment	STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises	CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length	SCREENED INTERVAL: NA
DATE STARTED: 12/10/08	LOGGED BY: Matt Elkins
DATE FINISHED: 12/10/08	

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0					Concrete floor. Poor condition.
	1	023	652.6		Gravel backfill for pit. Wet.
	2	024	265.6		
5	3	NA	NA		
	4	025	38.4		SILTY CLAY w/ few coarse sand, moist, stiff, brown, strong ammonia odor.
	5	026	27.4		
10	6	027	29.4		
					Total Sampled Depth = 12.0 ft. Total Boring Depth = 12.0 ft. Recovery: 0.0 - 3.0 feet = 9-inches. 3.0 - 6.0 feet = 14-inches. 6.0 - 9.0 feet = 24-inches. 9.0 - 12 feet = 36-inches. Collected water sample of perched water in gravel backfill. Sample ID: SIR-121008-ME-W01
15					

NO WELL COMPLETED
Surface Elev.:

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ALLIED ENVIRONMENTAL SERVICES, INC.

BORING I.D. BH-09

SHEET 1 OF 1

CLIENT: Southern Illinois Railcar	TOTAL DEPTH: 9.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio	DEPTH TO WATER: NA
PROJECT: Initial Site Assessment	STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises	CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length	SCREENED INTERVAL: NA
DATE STARTED: 12/10/08	LOGGED BY: Matt Elkins
DATE FINISHED: 12/10/08	

NO WELL COMPLETED
Surface Elev.:

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0					Concrete floor. Poor condition.
	1	028	385.6		Fill material.
	2	029	17.4		SILTY CLAY, moist, medium stiff, grey, black staining, strong ammonia odor.
5	3	030	0.0		SILTY CLAY w/ few coarse sand, dry, stiff, brown, ammonia odor.
	4	031	186.2		SILT, very moist, very soft, brown, ammonia odor.
	5	032, 033	NA		SILTY CLAY w/ few coarse sand, dry stiff, brown.
10					Total Sampled Depth = 9.0 ft. Total Boring Depth = 9.0 ft. Recovery: 1.0 - 3.0 feet = 24-inches. 3.0 - 6.0 feet = 36-inches. 6.0 - 9.0 feet = 36-inches.
15					

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ALLIED ENVIRONMENTAL SERVICES, INC.

BORING I.D. BH-10

SHEET 1 OF 1

CLIENT: Southern Illinois Railcar	TOTAL DEPTH: 6.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio	DEPTH TO WATER: NA
PROJECT: Initial Site Assessment	STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises	CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length	SCREENED INTERVAL: NA
DATE STARTED: 12/10/08	LOGGED BY: Matt Elkins
DATE FINISHED: 12/10/08	

NO WELL COMPLETED
Surface Elev.:

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0					SILTY CLAY, wet, soft, brown, slight ammonia odor.
	1	034	1.4		
	2	035	0.0		SILTY CLAY, dry, stiff, brown.
5	3	036	0.0		
10					

Total Sampled Depth = 6.0 ft.
Total Boring Depth = 6.0 ft.

Recovery:
0.0 - 3.0 feet = 22-inches.
3.0 - 6.0 feet = 36-inches.

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ALLIED ENVIRONMENTAL SERVICES, INC.

BORING I.D. BH-11

SHEET 1 OF 1

CLIENT: Southern Illinois Railcar	TOTAL DEPTH: 6.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio	DEPTH TO WATER: NA
PROJECT: Initial Site Assessment	STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises	CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length	SCREENED INTERVAL: NA
DATE STARTED: 12/10/08	LOGGED BY: Matt Elkins
DATE FINISHED: 12/10/08	

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0	1	037	118.6		SILTY CLAY, wet, soft, brown, strong ammonia odor.
	2	038	2.8		SILTY CLAY, dry, stiff, brown. White granular fill material at 2.5-feet...
5	3	039	0.0		
					Total Sampled Depth = 6.0 ft. Total Boring Depth = 6.0 ft. Recovery: 0.0 - 3.0 feet = 27-inches. 3.0 - 6.0 feet = 36-inches.
10					

NO WELL COMPLETED
Surface Elev.:

01-07-2009 O:\Clients\Miscellaneous\Southern Illinois Railcar\SIR Boring Logs\BH-11.bor

ALLIED ENVIRONMENTAL SERVICES, INC.

BORING I.D. BH-12

SHEET 1 OF 1

CLIENT: Southern Illinois Railcar	TOTAL DEPTH: 6.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio	DEPTH TO WATER: NA
PROJECT: Initial Site Assessment	STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises	CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length	SCREENED INTERVAL: NA
DATE STARTED: 12/10/08	LOGGED BY: Matt Elkins
DATE FINISHED: 12/10/08	

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0	1	040	81.2		Fill material.
					SILTY CLAY, dry, soft, dark brown, staining, ammonia odor.
	2	041	0.9		SILTY CLAY, dry, stiff, brown w/ grey mottles.
5	3	042	0.3		
10					

NO WELL COMPLETED
Surface Elev.:

Total Sampled Depth = 6.0 ft.
Total Boring Depth = 6.0 ft.

Recovery:
0.0 - 3.0 feet = 26-inches.
3.0 - 6.0 feet = 36-inches.

01-07-2009 O:\Clients\Miscellaneous\Southern Illinois Railcar\SIR Boring Logs\BH-12.bor

ALLIED ENVIRONMENTAL SERVICES, INC.

BORING I.D. BH-13

SHEET 1 OF 1

CLIENT: Southern Illinois Railcar	TOTAL DEPTH: 6.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio	DEPTH TO WATER: NA
PROJECT: Initial Site Assessment	STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises	CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length	SCREENED INTERVAL: NA
DATE STARTED: 12/10/08	LOGGED BY: Matt Elkins
DATE FINISHED: 12/10/08	

NO WELL COMPLETED
Surface Elev.:

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0	1	043	2.7		Fill material.
	2	044	1.4		SILTY CLAY, dry, soft, brown.
5	3	045	0.5		SILTY CLAY, dry, stiff, light brown w/ grey mottles.
10					

Total Sampled Depth = 6.0 ft.
Total Boring Depth = 6.0 ft.

Recovery:
0.0 - 3.0 feet = 21-inches.
3.0 - 6.0 feet = 31-inches.

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ALLIED ENVIRONMENTAL SERVICES, INC.

BORING I.D. BH-14

SHEET 1 OF 1

CLIENT: Southern Illinois Railcar	TOTAL DEPTH: 6.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio	DEPTH TO WATER: NA
PROJECT: Initial Site Assessment	STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises	CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length	SCREENED INTERVAL: NA
DATE STARTED: 12/10/08	LOGGED BY: Matt Elkins
DATE FINISHED: 12/10/08	

NO WELL COMPLETED
Surface Elev.:

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0	1	046, 047	1.0		SILTY CLAY w/ few coarse sand, moist, stiff, dark brown w/ orange mottles.
	2	048	0.3		Organic Debris at 2.5-feet...
5	3	049	0.0		SILTY CLAY, dry, stiff, dark brown.
					SILTY CLAY, dry, stiff, light brown w/ grey mottles.
10					

Total Sampled Depth = 6.0 ft.
Total Boring Depth = 6.0 ft.

Recovery:
0.0 - 3.0 feet = 28-inches.
3.0 - 6.0 feet = 31-inches.

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ALLIED ENVIRONMENTAL SERVICES, INC.	BORING I.D. BH-15	SHEET 1 OF 1
CLIENT: Southern Illinois Railcar		TOTAL DEPTH: 17.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio		DEPTH TO WATER: NA
PROJECT: Initial Site Assessment		STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises		CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length		SCREENED INTERVAL: NA
DATE STARTED: 12/11/08		LOGGED BY: Matt Elkins
DATE FINISHED: 12/11/08		

NO WELL COMPLETED
Surface Elev.:

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0	1	050, 051	0.0		SILTY CLAY, moist, soft, brown.
	2	052	0.0		SILTY CLAY, w/ rock (fill material) and coarse sand, dry, firm, brown.
5	3	053	0.0		SILTY CLAY with some fine graned sand, very moist, soft, brown.
	4	054	0.0		SILTY CLAY, dry, stiff, brown w/ grey & orange mottles.
10					SILTY CLAY w/ few coarse sand, dry, stiff, brown w/ grey & orange mottles.
15					
20					Total Sampled Depth = 17.0 ft. Total Boring Depth = 17.0 ft. Recovery: 0.0 - 3.0 feet = 60% 3.0 - 6.0 feet = 70% 6.0 - 9.0 feet = 36-inches. 9.0 - 12.0 feet = 36-inches. 12.0 - 13.5 feet = 36-inches. 13.5 - 15.0 feet = 36-inches. 15.0 - 17.0 feet = 36-inches. Note: Refusal at 17.0 feet. Attempted to reach shallow water bearing zone. No groundwater encountered. Soil boring drilled adjacent to basement of former South Warehouse.
25					

ALLIED ENVIRONMENTAL SERVICES, INC.

BORING I.D. BH-16

SHEET 1 OF 1

CLIENT: Southern Illinois Railcar	TOTAL DEPTH: 6.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio	DEPTH TO WATER: NA
PROJECT: Initial Site Assessment	STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises	CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length	SCREENED INTERVAL: NA
DATE STARTED: 12/11/08	LOGGED BY: Matt Elkins
DATE FINISHED: 12/11/08	

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0	1	055	128.9		SILTY CLAY, dry, stiff, brown w/ orange & grey mottles.
	2	056	40.7		
5	3	057	69.6		
					Total Sampled Depth = 6.0 ft. Total Boring Depth = 6.0 ft. Recovery: 0.0 - 3.0 feet = 1.7-feet. 3.0 - 6.0 feet = 2.7-feet.
10					

NO WELL COMPLETED
Surface Elev.:

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ALLIED ENVIRONMENTAL SERVICES, INC.

BORING I.D. BH-17

SHEET 1 OF 1

CLIENT: Southern Illinois Railcar	TOTAL DEPTH: 6.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio	DEPTH TO WATER: NA
PROJECT: Initial Site Assessment	STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises	CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length	SCREENED INTERVAL: NA
DATE STARTED: 12/11/08	LOGGED BY: Matt Elkins
DATE FINISHED: 12/11/08	

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0	1	058	94.4		SILTY CLAY, moist, soft, brown w/ orange mottles.
	2	059	3.9		
5					Total Sampled Depth = 6.0 ft. Total Boring Depth = 6.0 ft. Recovery: 0.0 - 3.0 feet = 13-inches. 3.0 - 6.0 feet = 12-inches.
10					

NO WELL COMPLETED
Surface Elev.:

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ALLIED ENVIRONMENTAL SERVICES, INC.

BORING I.D. BH-18

SHEET 1 OF 1

CLIENT: Southern Illinois Railcar	TOTAL DEPTH: 6.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio	DEPTH TO WATER: NA
PROJECT: Initial Site Assessment	STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises	CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length	SCREENED INTERVAL: NA
DATE STARTED: 12/11/08	LOGGED BY: Matt Elkins
DATE FINISHED: 12/11/08	

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0	1	060, 061	6.2		SILTY CLAY, moist, stiff, brown w/ orange mottles.
	2	062	1.8		
5	3	063	NA		SILTY CLAY, dry, stiff, brown w/ orange mottles, staining.
					Total Sampled Depth = 6.0 ft. Total Boring Depth = 6.0 ft. Recovery: 0.0 - 3.0 feet = 2.3-feet. 3.0 - 6.0 feet = 2.0-feet.
10					

NO WELL COMPLETED
Surface Elev.:

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ALLIED ENVIRONMENTAL SERVICES, INC.

BORING I.D. BH-19

SHEET 1 OF 1

CLIENT: Southern Illinois Railcar	TOTAL DEPTH: 6.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio	DEPTH TO WATER: NA
PROJECT: Initial Site Assessment	STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises	CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length	SCREENED INTERVAL: NA
DATE STARTED: 12/11/08	LOGGED BY: Matt Elkins
DATE FINISHED: 12/11/08	

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0	1	064	1.8		SILTY CLAY, dry, stiff, brown w/ orange mottles.
	2	065	1.2		
5	3	066	0.6		
					Total Sampled Depth = 6.0 ft. Total Boring Depth = 6.0 ft. Recovery: 0.0 - 3.0 feet = 2.0-feet. 3.0 - 6.0 feet = 2.2-feet.
10					

NO WELL COMPLETED
Surface Elev.:

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ALLIED ENVIRONMENTAL SERVICES, INC.

BORING I.D. BH-20

SHEET 1 OF 1

CLIENT: Southern Illinois Railcar	TOTAL DEPTH: 6.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio	DEPTH TO WATER: NA
PROJECT: Initial Site Assessment	STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises	CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length	SCREENED INTERVAL: NA
DATE STARTED: 12/11/08	LOGGED BY: Matt Elkins
DATE FINISHED: 12/11/08	

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0	1	067	0.5		SILTY CLAY w/ some coarse sand, dry, stiff, brown w/ orange mottles.
	2	068	0.0		
5	3	069	0.0		
10					Total Sampled Depth = 6.0 ft. Total Boring Depth = 6.0 ft. Recovery: 0.0 - 3.0 feet = 2.2-feet. 3.0 - 6.0 feet = 2.3-feet.

NO WELL COMPLETED
Surface Elev.:

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ALLIED ENVIRONMENTAL SERVICES, INC.	BORING I.D. BH-21	SHEET 1 OF 1
CLIENT: Southern Illinois Railcar		TOTAL DEPTH: 6.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio		DEPTH TO WATER: NA
PROJECT: Initial Site Assessment		STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises		CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length		SCREENED INTERVAL: NA
DATE STARTED: 12/11/08		LOGGED BY: Matt Elkins
DATE FINISHED: 12/11/08		

NO WELL COMPLETED
Surface Elev.:

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0	1	070, 073	110.7		SILTY CLAY w/ some coarse sand, dry, stiff, brown w/ orange mottles, ammonia odor.
	2	071	44.7		SILTY CLAY w/ some coarse sand, dry, stiff, brown w/ orange mottles.
5	3	072	3.2		
					Total Sampled Depth = 6.0 ft. Total Boring Depth = 6.0 ft. Recovery: 0.0 - 3.0 feet = 2.5-feet. 3.0 - 6.0 feet = 2.5-feet.
10					

ALLIED ENVIRONMENTAL SERVICES, INC.

BORING I.D. BH-22

SHEET 1 OF 1

CLIENT: Southern Illinois Railcar	TOTAL DEPTH: 11.3 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio	DEPTH TO WATER: NA
PROJECT: Initial Site Assessment	STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises	CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length	SCREENED INTERVAL: NA
DATE STARTED: 12/11/08	LOGGED BY: Matt Elkins
DATE FINISHED: 12/11/08	

NO WELL COMPLETED
Surface Elev.:

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0					Gravel fill.
	1	074	0.0		SILTY CLAY, dry, stiff, brown w/ orange mottles.
	2	075	0.0		SILTY CLAY w/ some coarse sand, dry, stiff, brown w/ orange mottles.
5	3	076	0.0		
					SILTY CLAY w/ some coarse sand, dry very stiff, brown w/ orange mottles.
10					
15					
20					

Total Sampled Depth = 11.3 ft.
Total Boring Depth = 11.3 ft.

Refusal at 11.3-feet.

Recovery:
0.0 - 3.0 feet = 2.4-feet.
3.0 - 6.0 feet = 3.0-feet.
6.0 - 9.0 feet = 3.0-feet.
9.0 - 10.5 feet = 3.0-feet.
10.5 - 11.3 feet = 1.4-feet.

Note:
Attempted to reach first saturated zone for a groundwater sample.
Sample SIR-121108-ME-077 was collected of the Ag Lime material adjacent to the entrance of the Ag Lime Storage Bin.

ALLIED ENVIRONMENTAL SERVICES, INC.

BORING I.D. BH-23

SHEET 1 OF 1

CLIENT: Southern Illinois Railcar	TOTAL DEPTH: 6.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio	DEPTH TO WATER: NA
PROJECT: Initial Site Assessment	STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises	CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length	SCREENED INTERVAL: NA
DATE STARTED: 12/11/08	LOGGED BY: Matt Elkins
DATE FINISHED: 12/11/08	

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0					
	1	078, 079	0.0		Gravel fill.
					SILTY CLAY w/ some coarse sand, dry, stiff, brown w/ orange mottles.
	2	080	0.0		
	3	081	0.0		
5					SILTY CLAY w/ some coarse sand, dry, stiff, grey.
					Total Sampled Depth = 6.0 ft. Total Boring Depth = 6.0 ft. Recovery: 0.0 - 3.0 feet = 2.8-feet. 3.0 - 6.0 feet = 2.5-feet.
10					

NO WELL COMPLETED
Surface Elev.:

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ALLIED ENVIRONMENTAL SERVICES, INC.	BORING I.D. BH-24	SHEET 1 OF 1
CLIENT: Southern Illinois Railcar		TOTAL DEPTH: 6.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio		DEPTH TO WATER: NA
PROJECT: Initial Site Assessment		STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises		CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length		SCREENED INTERVAL: NA
DATE STARTED: 12/11/08		LOGGED BY: Matt Elkins
DATE FINISHED: 12/11/08		

NO WELL COMPLETED
Surface Elev.:

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0	1	082	0.3		Gravel fill. Wet w/ black colored water.
	2	083	0.0		SILTY CLAY, dry, stiff, brown w/ orange mottles.
5	3	084	0.0		SILTY CLAY, dry, very stiff, brown.
10					Total Sampled Depth = 6.0 ft. Total Boring Depth = 6.0 ft. Recovery: 0.0 - 3.0 feet = 3.0-feet. 3.0 - 6.0 feet = 3.0-feet.

ALLIED ENVIRONMENTAL SERVICES, INC.

BORING I.D. BH-25

SHEET 1 OF 1

CLIENT: Southern Illinois Railcar	TOTAL DEPTH: 6.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio	DEPTH TO WATER: NA
PROJECT: Initial Site Assessment	STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises	CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length	SCREENED INTERVAL: NA
DATE STARTED: 12/11/08	LOGGED BY: Matt Elkins
DATE FINISHED: 12/11/08	

NO WELL COMPLETED
Surface Elev.:

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0					SILTY CLAY, moist, soft, brown w. orange mottles, stained.
	1	085	0.0		SILTY CLAY, moist, soft, brown w/ orange mottles.
					SAND, Poorly Graded, fine grained, moist to wet, loose, brown.
	2	086	0.0		
	3	087	0.0		
5					SILTY CLAY, dry, very stiff, grey.
					Total Sampled Depth = 6.0 ft. Total Boring Depth = 6.0 ft. Recovery: 0.0 - 3.0 feet = 2.5-feet. 3.0 - 6.0 feet = 3.0-feet.
10					

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ALLIED ENVIRONMENTAL SERVICES, INC.

BORING I.D. BH-26

SHEET 1 OF 1

CLIENT: Southern Illinois Railcar	TOTAL DEPTH: 6.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio	DEPTH TO WATER: NA
PROJECT: Initial Site Assessment	STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises	CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length	SCREENED INTERVAL: NA
DATE STARTED: 12/11/08	LOGGED BY: Matt Elkins
DATE FINISHED: 12/11/08	

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0	1	088	3.2		SILTY CLAY, dry, stiff, brown w/ orange & grey mottles.
	2	089	0.0		
5	3	090	2.0		
10					

NO WELL COMPLETED
Surface Elev.:

Total Sampled Depth = 6.0 ft.
Total Boring Depth = 6.0 ft.

Recovery:
0.0 - 3.0 feet = 2.0-feet.
3.0 - 6.0 feet = 2.4-feet.

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ALLIED ENVIRONMENTAL SERVICES, INC.

BORING I.D. BH-27

SHEET 1 OF 1

CLIENT: Southern Illinois Railcar	TOTAL DEPTH: 6.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio	DEPTH TO WATER: NA
PROJECT: Initial Site Assessment	STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises	CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length	SCREENED INTERVAL: NA
DATE STARTED: 12/11/08	LOGGED BY: Matt Elkins
DATE FINISHED: 12/11/08	

NO WELL COMPLETED
Surface Elev.:

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0					
	1	091	0.0		Fill material. Gravel and stone, wet.
					SILTY CLAY, dry, soft, brown, some staining.
					SILTY CLAY, dry, stiff, brown w/ orange mottles.
	2	092	0.0		
					...at 4.0-feet, same but w/ many fine sand, moist.
5	3	093	0.0		
					Total Sampled Depth = 6.0 ft. Total Boring Depth = 6.0 ft.
					Recovery: 0.0 - 3.0 feet = 2.5-feet. 3.0 - 6.0 feet = 3.0-feet.
10					

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ALLIED ENVIRONMENTAL SERVICES, INC.

BORING I.D. BH-28

SHEET 1 OF 1

CLIENT: Southern Illinois Railcar	TOTAL DEPTH: 6.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio	DEPTH TO WATER: NA
PROJECT: Initial Site Assessment	STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises	CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length	SCREENED INTERVAL: NA
DATE STARTED: 12/11/08	LOGGED BY: Matt Elkins
DATE FINISHED: 12/11/08	

NO WELL COMPLETED
Surface Elev.:

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0	1	094	0.0		SILTY CLAY w/ gravel, dry, stiff, brown w/ black staining.
	2	095, 096	0.0		SILTY CLAY, dry, stiff, brown.
	3	097	0.0		SILTY CLAY w/ fine sand, very moist, soft, brown.
5					SILTY CLAY, dry, stiff, brown w/ orange & grey mottles.
10					

Total Sampled Depth = 6.0 ft.
Total Boring Depth = 6.0 ft.

Recovery:
0.0 - 3.0 feet = 2.7-feet.
3.0 - 6.0 feet = 2.4-feet.

Note: Sent all samples due to the very moist layer of soil at 4.0 to 4.5-feet.

ALLIED ENVIRONMENTAL SERVICES, INC.

BORING I.D. BH-29

SHEET 1 OF 1

CLIENT: Southern Illinois Railcar	TOTAL DEPTH: 6.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio	DEPTH TO WATER: NA
PROJECT: Initial Site Assessment	STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises	CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length	SCREENED INTERVAL: NA
DATE STARTED: 12/12/08	LOGGED BY: Matt Elkins
DATE FINISHED: 12/12/08	

NO WELL COMPLETED
Surface Elev.:

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0	1	098, 099	0.1		SILTY CLAY moist, soft, brown w/ orange mottles.
	2	100	0.1		SILTY CLAY, dry, stiff, brown w/ orange mottles.
5	3	101	0.1		
10					

Total Sampled Depth = 6.0 ft.
Total Boring Depth = 6.0 ft.

Recovery:
0.0 - 3.0 feet = 2.7-feet.
3.0 - 6.0 feet = 2.4-feet.
3.0 - 9.0 feet = 2.3-feet

Note: Drilled through earthen dam to reach bottom of South Ditch.

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ALLIED ENVIRONMENTAL SERVICES, INC.	BORING I.D. BH-30	SHEET 1 OF 1
CLIENT: Southern Illinois Railcar		TOTAL DEPTH: 6.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio		DEPTH TO WATER: NA
PROJECT: Initial Site Assessment		STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises		CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length		SCREENED INTERVAL: NA
DATE STARTED: 12/12/08		LOGGED BY: Matt Elkins
DATE FINISHED: 12/12/08		

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0	1	102	0.1		SILTY CLAY moist, soft, brown w/ orange & grey mottles.
	2	103	0.1		SILTY CLAY w/ some coarse sand, dry, very stiff, brown.
5	3	104	0.0		
10					

NO WELL COMPLETED
Surface Elev.:

Total Sampled Depth = 6.0 ft.
Total Boring Depth = 6.0 ft.

Recovery:
0.0 - 3.0 feet = 36-inches.
3.0 - 6.0 feet = 36-inches.
3.0 - 9.0 feet = 36-inches.

Note: Drilled through earthen dam to reach bottom of South Ditch.

ALLIED ENVIRONMENTAL SERVICES, INC.

BORING I.D. BH-31

SHEET 1 OF 1

CLIENT: Southern Illinois Railcar	TOTAL DEPTH: 6.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio	DEPTH TO WATER: NA
PROJECT: Initial Site Assessment	STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises	CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length	SCREENED INTERVAL: NA
DATE STARTED: 12/12/08	LOGGED BY: Matt Elkins
DATE FINISHED: 12/12/08	

NO WELL COMPLETED
Surface Elev.:

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0	1	105	0.1		SILTY CLAY dry, stiff, brown w/ orange & grey mottles.
	2	106	0.0		
5	3	107	0.0		SANDY SILT w/ some fine sand, moist, brown.
					SILTY CLAY w/ few coarse sand, dry, very stiff, brown w/ orange & grey mottles.
10					
15					

Total Sampled Depth = 6.0 ft.
Total Boring Depth = 6.0 ft.

Recovery:
0.0 - 3.0 feet = 1.9-feet.
3.0 - 6.0 feet = 36-inches.
3.0 - 9.0 feet = 36-inches.

Note: Drilled through earthen dam to reach bottom of South Ditch.

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ALLIED ENVIRONMENTAL SERVICES, INC.

BORING I.D. BH-32

SHEET 1 OF 1

CLIENT: Southern Illinois Railcar	TOTAL DEPTH: 6.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio	DEPTH TO WATER: NA
PROJECT: Initial Site Assessment	STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises	CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length	SCREENED INTERVAL: NA
DATE STARTED: 12/12/08	LOGGED BY: Matt Elkins
DATE FINISHED: 12/12/08	

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0					
	1	108, 109	0.0		SILTY CLAY moist, soft, brown, organic matter (topsoil).
					SILTY CLAY, dry, stiff, brown w/ orange & grey mottles.
	2	110	0.0		
	3	111	0.0		
5					SANDY SILT, fine grained sand, moist, soft, brown.
					Total Sampled Depth = 6.0 ft. Total Boring Depth = 6.0 ft. Recovery: 0.0 - 3.0 feet = 26-feet. 3.0 - 6.0 feet = 28-feet.
10					

NO WELL COMPLETED
Surface Elev.:

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ALLIED ENVIRONMENTAL SERVICES, INC.

BORING I.D. BH-33

SHEET 1 OF 1

CLIENT: Southern Illinois Railcar	TOTAL DEPTH: 6.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio	DEPTH TO WATER: NA
PROJECT: Initial Site Assessment	STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises	CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length	SCREENED INTERVAL: NA
DATE STARTED: 12/12/08	LOGGED BY: Matt Elkins
DATE FINISHED: 12/12/08	

NO WELL COMPLETED
Surface Elev.:

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0					
	1	112	1.2		SILTY CLAY, moist, soft, brown w/ orange & grey mottles.
					SILTY CLAY, dry, stiff, brown w/ orange & grey mottles.
	2	113	0.0		
	3	114	0.0		
5					SANDY SILT, fine grained sand, moist, soft, brown.
					Total Sampled Depth = 6.0 ft. Total Boring Depth = 6.0 ft.
					Recovery: 0.0 - 3.0 feet = 18-inches. 3.0 - 6.0 feet = 34-inches. 6.0 - 9.0 feet = 34-inches.
					Note: Drilled through earthen damto reach bottom of the North Ditch.
10					

ALLIED ENVIRONMENTAL SERVICES, INC.

BORING I.D. BH-34

SHEET 1 OF 1

CLIENT: Southern Illinois Railcar	TOTAL DEPTH: 6.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio	DEPTH TO WATER: NA
PROJECT: Initial Site Assessment	STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises	CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length	SCREENED INTERVAL: NA
DATE STARTED: 12/12/08	LOGGED BY: Matt Elkins
DATE FINISHED: 12/12/08	

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0	1	115	77.8		SILTY CLAY, dry, stiff, brown w/ orange & grey mottles.
	2	116A	1.8		
5	3	117A	0.0		
10					

NO WELL COMPLETED
Surface Elev.:

Total Sampled Depth = 6.0 ft.
Total Boring Depth = 6.0 ft.

Recovery:
0.0 - 3.0 feet = 18-inches.
3.0 - 6.0 feet = 34-inches.
6.0 - 9.0 feet = 34-inches.

Note: Drilled through earthen damto reach bottom of the North Ditch.

01-07-2009 O:\Clients\Miscellaneous\Southern Illinois Railcar\SIR Boring Logs\BH-34.bor

ALLIED ENVIRONMENTAL SERVICES, INC.

BORING I.D. BH-35

SHEET 1 OF 1

CLIENT: Southern Illinois Railcar	TOTAL DEPTH: 6.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio	DEPTH TO WATER: NA
PROJECT: Initial Site Assessment	STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises	CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length	SCREENED INTERVAL: NA
DATE STARTED: 12/12/08	LOGGED BY: Matt Elkins
DATE FINISHED: 12/12/08	

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0	1	116B,117B	131.1		SILTY CLAY, dry, stiff, brown w/ orange mottles.
	2	118	0.3		SILTY CLAY, dry, stiff, brown.
5	3	119	0.2		
10					

NO WELL COMPLETED
Surface Elev.:

Total Sampled Depth = 6.0 ft.
Total Boring Depth = 6.0 ft.

Recovery:
0.0 - 3.0 feet = 18-inches.
3.0 - 6.0 feet = 35-inches.
6.0 - 9.0 feet = 36-inches.

Note: Drilled through earthen damto reach bottom of the North Ditch.

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ALLIED ENVIRONMENTAL SERVICES, INC.

BORING I.D. BH-36

SHEET 1 OF 1

CLIENT: Southern Illinois Railcar	TOTAL DEPTH: 6.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio	DEPTH TO WATER: NA
PROJECT: Initial Site Assessment	STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises	CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length	SCREENED INTERVAL: NA
DATE STARTED: 12/12/08	LOGGED BY: Matt Elkins
DATE FINISHED: 12/12/08	

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0					SILTY CLAY, moist, soft, brown w/ orange mottles, ammonia odor.
	1	120	287.3		SANDY SILT, fine grained sand, moist, soft, brown, ammonia odor.
					SILTY CLAY w/ few coarse sand, dry, very stiff, brown, ammonia odor.
	2	121	25.7		SILTY CLAY w/ few coarse sand, dry, very stiff, brown.
5	3	122	2.7		
10					

NO WELL COMPLETED
Surface Elev.:

Total Sampled Depth = 6.0 ft.
Total Boring Depth = 6.0 ft.

Recovery:
0.0 - 3.0 feet = 25-inches.
3.0 - 6.0 feet = 36-inches.
6.0 - 9.0 feet = 36-inches.

Note: Drilled through earthen damto reach bottom of the North Ditch.

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ALLIED ENVIRONMENTAL SERVICES, INC.

BORING I.D. BH-37

SHEET 1 OF 1

CLIENT: Southern Illinois Railcar	TOTAL DEPTH: 6.6 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio	DEPTH TO WATER: NA
PROJECT: Initial Site Assessment	STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises	CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length	SCREENED INTERVAL: NA
DATE STARTED: 12/12/08	LOGGED BY: Matt Elkins
DATE FINISHED: 12/12/08	

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0					
	1	123, 124	5.2		SILTY CLAY, moist, soft, brown w/ orange & grey mottles, ammonia odor.
					SILTY CLAY, moist, soft, brown w/ orange & grey mottles.
	2	125	1.4		
	3	126	1.0		
5					SANDY SILT, fine grained sand, very moist, soft, brown.
					SILTY CLAY w/ some coarse sand, dry, very stiff, brown.
10					

NO WELL COMPLETED
Surface Elev.:

Total Sampled Depth = 6.6 ft.
Total Boring Depth = 6.6 ft.

Recovery:

0.0 - 3.0-feet = 25-inches.
3.0 - 6.0-feet = 36-inches.
6.0 - 9.0-feet = 36-inches.

Note: Drilled through earthen dam to reach bottom of the North Ditch.

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ALLIED ENVIRONMENTAL SERVICES, INC.

BORING I.D. BH-38

SHEET 1 OF 1

CLIENT: Southern Illinois Railcar	TOTAL DEPTH: 6.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio	DEPTH TO WATER: NA
PROJECT: Initial Site Assessment	STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises	CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length	SCREENED INTERVAL: NA
DATE STARTED: 12/12/08	LOGGED BY: Matt Elkins
DATE FINISHED: 12/12/08	

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0					
	1	127	0.7		SILTY CLAY, dry, stiff, brown w/ orange & grey mottles, ammonia odor.
					SILTY CLAY, dry, stiff, brown w/ orange & grey mottles.
	2	128	0.6		
5	3	129	0.2		
					SANDY SILT, fine grained sand, dry, brown.
10					

Total Sampled Depth = 6.0 ft.
Total Boring Depth = 6.0 ft.

Recovery:

Note: Drilled through earthen dam to reach bottom of the North Ditch.

NO WELL COMPLETED
Surface Elev.:

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ALLIED ENVIRONMENTAL SERVICES, INC.	BORING I.D. BH-39	SHEET 1 OF 1
CLIENT: Southern Illinois Railcar		TOTAL DEPTH: 6.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio		DEPTH TO WATER: NA
PROJECT: Initial Site Assessment		STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: AST Enterprises		CASING ELEVATION: NA
DRILLING METHOD: Geoprobe 2-inch macrocore; 3 ft in length		SCREENED INTERVAL: NA
DATE STARTED: 12/12/08		LOGGED BY: Matt Elkins
DATE FINISHED: 12/12/08		

NO WELL COMPLETED
Surface Elev.:

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0					
	1	130	0.5		SILTY CLAY w/ some fine sand, moist, soft, brown w/ blackish color.
					SILTY CLAY w/ some fine sand, moist, soft, brown w/ orange & grey mottles.
	2	131	0.3		SANDY SILT, fine grained sand, very moist, brown.
	3	132	0.3		SILTY CLAY w/ some coarse sand, dry, stiff, brown w/ few orange mottles.
5					
10					

Total Sampled Depth = 6.0 ft.
Total Boring Depth = 6.0 ft.

Recovery:

0.0 - 3.0 feet = 26-inches.
3.0 - 6.0 feet = 21-inches.
6.0 - 9.0 feet = 36-inches.

Note: Drilled through earthen dam to reach bottom of the North Ditch.

ALLIED ENVIRONMENTAL SERVICES, INC.

BORING I.D. BH-40

SHEET 1 OF 1

CLIENT: Southern Illinois Railcar	TOTAL DEPTH: 3.0 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio	DEPTH TO WATER: NA
PROJECT: Initial Site Assessment	STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: NA	CASING ELEVATION: NA
DRILLING METHOD: Hand Auger	SCREENED INTERVAL: NA
DATE STARTED: 12/15/08	LOGGED BY: Matt Elkins
DATE FINISHED: 12/15/08	

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0					Ditch Sediment, wet, organic.
	1	133	3.6		SILTY CLAY, dry, stiff, brown w/ orange & grey mottles.
	2	134	4.7		
5					Total Sampled Depth = 3.0 ft. Total Boring Depth = 3.0 ft. Note: Collected with a Hand Auger.
10					

NO WELL COMPLETED
Surface Elev.:

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ALLIED ENVIRONMENTAL SERVICES, INC.	BORING I.D. BH-41	SHEET 1 OF 1
CLIENT: Southern Illinois Railcar		TOTAL DEPTH: 2.2 ft
LOCATION: 7570 Ottawa Road, Cairo, Ohio		DEPTH TO WATER: NA
PROJECT: Initial Site Assessment		STATIC WATER LEVEL: NA
DRILLING CONTRACTOR: NA		CASING ELEVATION: NA
DRILLING METHOD: Hand Auger		SCREENED INTERVAL: NA
DATE STARTED: 12/15/08		LOGGED BY: Matt Elkins
DATE FINISHED: 12/15/08		

NO WELL COMPLETED
Surface Elev.:

Depth in Feet	Sample Interval	Sample ID	PID (ppm)	GRAPHIC	DESCRIPTION
0	1	135	2.2		SILTY CLAY, moist, stiff, brown w/ orange & grey mottles.
	2	136	0.5		SILTY CLAY, dry, stiff, brown w/ orange & grey mottles.

Total Sampled Depth = 2.2 ft.
Total Boring Depth = 2.2 ft.

Note: Collected with a Hand Auger.

5

10

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Appendix B

Laboratory Reports

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3929
Received: 12/11/2008
Reported: 12/19/2008
Date/Time Sampled: 12/10/2008 09:00
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR-121008-ME-001**
Lab Sample # **LP08-3929-001**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	10.8	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	2800	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	9.4	S.U.		SW-9040B/9045C	JS		12/12/2008
Phosphorus, Total	552.	mg/Kg	3.66	EPA-365.3	JS		12/12/2008
Total Organic Carbon	7880	mg/Kg	1000	SW-9060M	RC		12/12/2008
Ammonia-N	10200	mg/Kg	1.00	EPA-350.1	TLL		12/15/2008
Total Kjeldahl Nitrogen	13000	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lamar K Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3929
Received: 12/11/2008
Reported: 12/19/2008
Date/Time Sampled: 12/10/2008 09:05
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR-121008-ME-002**
Lab Sample # **LP08-3929-002**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	53.4	mg/Kg	1.00	Calculation	TLL		12/19/2008
pH, Laboratory Analyzed (Estimate)	6.9	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	113.	mg/Kg	3.86	EPA-365.3	JS		12/12/2008
Total Organic Carbon	2730	mg/Kg	1000	SW-9060M	RC		12/12/2008
Ammonia-N	21.6	mg/Kg	1.00	EPA-350.1	TLL		12/18/2008
Total Kjeldahl Nitrogen	75.0	mg/Kg	2.00	EPA-351.2	TLL		12/19/2008

Analysis Certified By: Lana K Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3929
Received: 12/11/2008
Reported: 12/19/2008
Date/Time Sampled: 12/10/2008 09:15
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR-121008-ME-004**
Lab Sample # **LP08-3929-003**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	24.9	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	4920	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	9.4	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	1310	mg/Kg	3.76	EPA-365.3	JS		12/12/2008
Total Organic Carbon	<1000	mg/Kg	1000	SW-9060M	RC		12/15/2008
Ammonia-N	6080	mg/Kg	1.00	EPA-350.1	TLL		12/15/2008
Total Kjeldahl Nitrogen	11000	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Jana L Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3929
Received: 12/11/2008
Reported: 12/19/2008
Date/Time Sampled: 12/10/2008 09:20
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR-121008-ME-005**
Lab Sample # **LP08-3929-004**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	1.83	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	23.0	mg/Kg	1.00	Calculation	TLL		12/18/2008
pH, Laboratory Analyzed (Estimate)	7.9	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	138.	mg/Kg	3.46	EPA-365.3	JS		12/12/2008
Total Organic Carbon	1990	mg/Kg	1000	SW-9060M	RC		12/15/2008
Ammonia-N	142.	mg/Kg	1.00	EPA-350.1	TLL		12/15/2008
Total Kjeldahl Nitrogen	165.	mg/Kg	2.00	EPA-351.2	TLL		12/18/2008

Analysis Certified By: Lana L Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3929
Received: 12/11/2008
Reported: 12/19/2008
Date/Time Sampled: 12/10/2008 09:30
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR-121008-ME-007**
Lab Sample # **LP08-3929-005**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	7.66	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	4820	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	9.3	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	381.	mg/Kg	3.47	EPA-365.3	JS		12/12/2008
Total Organic Carbon	9930	mg/Kg	1000	SW-9060M	RC		12/15/2008
Ammonia-N	7080	mg/Kg	1.00	EPA-350.1	TLL		12/15/2008
Total Kjeldahl Nitrogen	11900	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lana K Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3929
Received: 12/11/2008
Reported: 12/19/2008
Date/Time Sampled: 12/10/2008 09:35
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR-121008-ME-008**
Lab Sample # **LP08-3929-006**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	2.16	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	125.	mg/Kg	1.00	Calculation	TLL		12/19/2008
pH, Laboratory Analyzed (Estimate)	8.6	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	362.	mg/Kg	3.94	EPA-365.3	JS		12/12/2008
Total Organic Carbon	6700	mg/Kg	1000	SW-9060M	RC		12/15/2008
Ammonia-N	100.	mg/Kg	1.00	EPA-350.1	TLL		12/18/2008
Total Kjeldahl Nitrogen	225.	mg/Kg	2.00	EPA-351.2	TLL		12/19/2008

Analysis Certified By: Laura L Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3929
Received: 12/11/2008
Reported: 12/19/2008
Date/Time Sampled: 12/10/2008 09:50
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR-121008-ME-010**
Lab Sample # **LP08-3929-007**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	6.14	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	6270	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	9.3	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	441.	mg/Kg	3.78	EPA-365.3	JS		12/12/2008
Total Organic Carbon	12900	mg/Kg	1000	SW-9060M	RC		12/15/2008
Ammonia-N	6730	mg/Kg	1.00	EPA-350.1	TLL		12/15/2008
Total Kjeldahl Nitrogen	13000	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lance L Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3929
Received: 12/11/2008
Reported: 12/19/2008
Date/Time Sampled: 12/10/2008 09:52
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR-121008-ME-011**
Lab Sample # **LP08-3929-008**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	6.91	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	6180	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	9.3	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	528.	mg/Kg	3.40	EPA-365.3	JS		12/12/2008
Total Organic Carbon	9840	mg/Kg	1000	SW-9060M	RC		12/15/2008
Ammonia-N	8120	mg/Kg	1.00	EPA-350.1	TLL		12/15/2008
Total Kjeldahl Nitrogen	14300	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lana K Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3929
Received: 12/11/2008
Reported: 12/19/2008
Date/Time Sampled: 12/10/2008 09:55
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR-121008-ME-012**
Lab Sample # **LP08-3929-009**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	4670	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	8.2	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	500.	mg/Kg	3.96	EPA-365.3	JS		12/12/2008
Total Organic Carbon	16900	mg/Kg	1000	SW-9060M	RC		12/15/2008
Ammonia-N	326.	mg/Kg	1.00	EPA-350.1	TLL		12/15/2008
Total Kjeldahl Nitrogen	5000	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lana R Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3929
Received: 12/11/2008
Reported: 12/19/2008
Date/Time Sampled: 12/10/2008 10:05
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR-121008-ME-014**
Lab Sample # **LP08-3929-010**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	2.58	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	5870	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	9.3	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	537.	mg/Kg	3.33	EPA-365.3	JS		12/12/2008
Total Organic Carbon	6850	mg/Kg	1000	SW-9060M	RC		12/15/2008
Ammonia-N	3960	mg/Kg	1.00	EPA-350.1	TLL		12/15/2008
Total Kjeldahl Nitrogen	9830	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Dana K Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3929
Received: 12/11/2008
Reported: 12/19/2008
Date/Time Sampled: 12/10/2008 10:10
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR-121008-ME-015**
Lab Sample # **LP08-3929-011**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	5860	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	7.5	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	730.	mg/Kg	3.65	EPA-365.3	JS		12/12/2008
Total Organic Carbon	15200	mg/Kg	1000	SW-9060M	RC		12/15/2008
Ammonia-N	201.	mg/Kg	1.00	EPA-350.1	TLL		12/15/2008
Total Kjeldahl Nitrogen	6060	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lynn L Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3929
Received: 12/11/2008
Reported: 12/19/2008
Date/Time Sampled: 12/10/2008 10:20
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR-121008-ME-017**
Lab Sample # **LP08-3929-012**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	10.6	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	1820	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	8.2	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	214.	mg/Kg	3.36	EPA-365.3	JS		12/12/2008
Total Organic Carbon	2280	mg/Kg	1000	SW-9060M	RC		12/15/2008
Ammonia-N	48.4	mg/Kg	1.00	EPA-350.1	TLL		12/15/2008
Total Kjeldahl Nitrogen	1870	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Tamara L Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3929
Received: 12/11/2008
Reported: 12/19/2008
Date/Time Sampled: 12/10/2008 10:25
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR-121008-ME-018**
Lab Sample # **LP08-3929-013**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	7.54	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	2170	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	7.8	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	366.	mg/Kg	3.66	EPA-365.3	JS		12/12/2008
Total Organic Carbon	4290	mg/Kg	1000	SW-9060M	RC		12/15/2008
Ammonia-N	27.8	mg/Kg	1.00	EPA-350.1	TLL		12/15/2008
Total Kjeldahl Nitrogen	2200	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Laura L Jackson

ANALYTICAL REPORT

Lab Project # LP08-3929
Received: 12/11/2008
Reported: 12/19/2008

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Date/Time Sampled: 12/10/2008 10:40
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: Southern Illinois Railcar

Sample ID: SIR-121008-ME-020
Lab Sample # LP08-3929-014

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	5.49	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	5700	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	9.3	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	396.	mg/Kg	3.23	EPA-365.3	JS		12/12/2008
Total Organic Carbon	5910	mg/Kg	1000	SW-9060M	RC		12/15/2008
Ammonia-N	12300	mg/Kg	1.00	EPA-350.1	TLL		12/15/2008
Total Kjeldahl Nitrogen	18000	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lana R Jackson

ANALYTICAL REPORT

Lab Project # LP08-3929
Received: 12/11/2008
Reported: 12/19/2008

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Date/Time Sampled: 12/10/2008 10:45
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR-121008-ME-021**
Lab Sample # **LP08-3929-015**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	2460	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	6.7	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	121.	mg/Kg	3.73	EPA-365.3	JS		12/12/2008
Total Organic Carbon	6140	mg/Kg	1000	SW-9060M	RC		12/15/2008
Ammonia-N	61.8	mg/Kg	1.00	EPA-350.1	TLL		12/15/2008
Total Kjeldahl Nitrogen	2520	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: James R Jackson

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ANALYTICAL REPORT

Lab Project # LP08-3929
Received: 12/11/2008
Reported: 12/19/2008

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Date/Time Sampled: 12/10/2008 11:00
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: Southern Illinois Railcar

Sample ID: SIR-121008-ME-023
Lab Sample # LP08-3929-016

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	11.1	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	5520	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	9.5	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	957.	mg/Kg	3.58	EPA-365.3	JS		12/12/2008
Total Organic Carbon	<1000	mg/Kg	1000	SW-9060M	RC		12/15/2008
Ammonia-N	3430	mg/Kg	1.00	EPA-350.1	TLL		12/15/2008
Total Kjeldahl Nitrogen	8950	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lynn L Jackson

ANALYTICAL REPORT

Lab Project # LP08-3929
Received: 12/11/2008
Reported: 12/19/2008

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Date/Time Sampled: 12/10/2008 11:10
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR-121008-ME-026**
Lab Sample # **LP08-3929-018**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	15.8	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	4390	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	9.0	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	385.	mg/Kg	3.71	EPA-365.3	JS		12/12/2008
Total Organic Carbon	<1000	mg/Kg	1000	SW-9060M	RC		12/15/2008
Ammonia-N	1090	mg/Kg	1.00	EPA-350.1	TLL		12/15/2008
Total Kjeldahl Nitrogen	5480	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lynda L Jackson

ANALYTICAL REPORT

Allied Environmental
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Lima, OH 45804

Lab Project # LP08-3929
Received: 12/11/2008
Reported: 12/19/2008
Date/Time Sampled: 12/10/2008 11:13
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR-121008-ME-027**
Lab Sample # **LP08-3929-019**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	9.97	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	4200	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	8.7	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	393.	mg/Kg	3.55	EPA-365.3	JS		12/12/2008
Total Organic Carbon	3360	mg/Kg	1000	SW-9060M	RC		12/15/2008
Ammonia-N	875.	mg/Kg	1.00	EPA-350.1	TLL		12/15/2008
Total Kjeldahl Nitrogen	5080	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lance L Jackson

ANALYTICAL REPORT

Allied Environmental
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Lima, OH 45804

Lab Project # LP08-3929
Received: 12/11/2008
Reported: 12/19/2008
Date/Time Sampled: 12/10/2008 11:15
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR-121008-ME-028**
Lab Sample # **LP08-3929-020**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	2.21	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	5050	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	9.2	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	461.	mg/Kg	3.32	EPA-365.3	JS		12/12/2008
Total Organic Carbon	17300	mg/Kg	1000	SW-9060M	RC		12/15/2008
Ammonia-N	9250	mg/Kg	1.00	EPA-350.1	TLL		12/15/2008
Total Kjeldahl Nitrogen	14300	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lance L Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3929
Received: 12/11/2008
Reported: 12/19/2008
Date/Time Sampled: 12/10/2008 11:30
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: Southern Illinois Railcar

Sample ID: SIR-121008-ME-031
Lab Sample # LP08-3929-021

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	6.94	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	36.7	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	4970	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	9.2	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	1550	mg/Kg	3.75	EPA-365.3	JS		12/12/2008
Total Organic Carbon	1510	mg/Kg	1000	SW-9060M	RC		12/15/2008
Ammonia-N	7830	mg/Kg	1.00	EPA-350.1	TLL		12/15/2008
Total Kjeldahl Nitrogen	12800	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Tamara L Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3929
Received: 12/11/2008
Reported: 12/19/2008
Date/Time Sampled: 12/10/2008 11:35
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR-121008-ME-032**
Lab Sample # **LP08-3929-022**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	14.8	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	2280	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	8.5	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	376.	mg/Kg	3.58	EPA-365.3	JS		12/16/2008
Total Organic Carbon	<1000	mg/Kg	1000	SW-9060M	RC		12/15/2008
Ammonia-N	419.	mg/Kg	1.00	EPA-350.1	TLL		12/15/2008
Total Kjeldahl Nitrogen	2700	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lana K Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3929
Received: 12/11/2008
Reported: 12/19/2008
Date/Time Sampled: 12/10/2008 11:40
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR-121008-ME-033**
Lab Sample # **LP08-3929-023**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	6.94	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	2560	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	9.0	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	359.	mg/Kg	3.46	EPA-365.3	JS		12/16/2008
Total Organic Carbon	<1000	mg/Kg	1000	SW-9060M	RC		12/15/2008
Ammonia-N	1480	mg/Kg	1.00	EPA-350.1	TLL		12/15/2008
Total Kjeldahl Nitrogen	4040	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lane R Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3929
Received: 12/11/2008
Reported: 12/19/2008
Date/Time Sampled: 12/10/2008 13:50
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR-121008-ME-034**
Lab Sample # **LP08-3929-024**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	117.	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	2880	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	9.0	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	1820	mg/Kg	3.68	EPA-365.3	JS		12/16/2008
Total Organic Carbon	8700	mg/Kg	1000	SW-9060M	RC		12/15/2008
Ammonia-N	2950	mg/Kg	1.00	EPA-350.1	TLL		12/15/2008
Total Kjeldahl Nitrogen	5830	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lance L Jackson

ANALYTICAL REPORT

Lab Project #	LP08-3929
Received:	12/11/2008
Reported:	12/19/2008
Date/Time Sampled:	12/10/2008 13:55
Sampled By:	ME
Sampled Matrix:	Soil
Containers:	1

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR-121008-ME-035**

Lab Sample # **LP08-3929-025**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	3280	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	7.4	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	189.	mg/Kg	3.51	EPA-365.3	JS		12/16/2008
Total Organic Carbon	1540	mg/Kg	1000	SW-9060M	RC		12/15/2008
Ammonia-N	182.	mg/Kg	1.00	EPA-350.1	TLL		12/15/2008
Total Kjeldahl Nitrogen	3460	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: James K Jackson

ANALYTICAL REPORT

Lab Project # LP08-3929
Received: 12/11/2008
Reported: 12/19/2008

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Date/Time Sampled: 12/10/2008 14:15
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR-121008-ME-037**
Lab Sample # **LP08-3929-026**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	376.	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	48.2	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	5920	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	9.2	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	4530	mg/Kg	3.57	EPA-365.3	JS		12/16/2008
Total Organic Carbon	18800	mg/Kg	1000	SW-9060M	RC		12/15/2008
Ammonia-N	8780	mg/Kg	1.00	EPA-350.1	TLL		12/15/2008
Total Kjeldahl Nitrogen	14700	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lynn R Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3929
Received: 12/11/2008
Reported: 12/19/2008
Date/Time Sampled: 12/10/2008 14:20
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR-121008-ME-038**
Lab Sample # **LP08-3929-027**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	187.	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	3620	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	7.7	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	325.	mg/Kg	3.56	EPA-365.3	JS		12/16/2008
Total Organic Carbon	2180	mg/Kg	1000	SW-9060M	RC		12/15/2008
Ammonia-N	299.	mg/Kg	1.00	EPA-350.1	TLL		12/15/2008
Total Kjeldahl Nitrogen	3920	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lisa K Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3929
Received: 12/11/2008
Reported: 12/19/2008
Date/Time Sampled: 12/10/2008 14:45
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR-121008-ME-040**
Lab Sample # **LP08-3929-028**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	429.	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	3440	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	8.2	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	670.	mg/Kg	3.67	EPA-365.3	JS		12/16/2008
Total Organic Carbon	<1000	mg/Kg	1000	SW-9060M	RC		12/15/2008
Ammonia-N	650.	mg/Kg	1.00	EPA-350.1	TLL		12/15/2008
Total Kjeldahl Nitrogen	4090	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Dana L Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project #	LP08-3929
Received:	12/11/2008
Reported:	12/19/2008
Date/Time Sampled:	12/10/2008 14:50
Sampled By:	ME
Sampled Matrix:	Soil
Containers:	1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR-121008-ME-041**

Lab Sample # **LP08-3929-029**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	225.	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	3650	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	7.6	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	563.	mg/Kg	3.98	EPA-365.3	JS		12/16/2008
Total Organic Carbon	9880	mg/Kg	1000	SW-9060M	RC		12/15/2008
Ammonia-N	129.	mg/Kg	1.00	EPA-350.1	TLL		12/15/2008
Total Kjeldahl Nitrogen	3780	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lana L Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
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Lima, OH 45804

Lab Project # LP08-3929
Received: 12/11/2008
Reported: 12/19/2008
Date/Time Sampled: 12/10/2008 15:30
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR-121008-ME-043**
Lab Sample # **LP08-3929-030**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	255.	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	3900	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	7.9	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	1160	mg/Kg	3.91	EPA-365.3	JS		12/16/2008
Total Organic Carbon	1090	mg/Kg	1000	SW-9060M	RC		12/15/2008
Ammonia-N	430.	mg/Kg	1.00	EPA-350.1	TLL		12/15/2008
Total Kjeldahl Nitrogen	4330	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lance L Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3929
Received: 12/11/2008
Reported: 12/19/2008
Date/Time Sampled: 12/10/2008 15:35
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR-121008-ME-044**
Lab Sample # **LP08-3929-031**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	438.	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	3320	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	6.6	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	570.	mg/Kg	3.49	EPA-365.3	JS		12/16/2008
Total Organic Carbon	10500	mg/Kg	1000	SW-9060M	RC		12/15/2008
Ammonia-N	160.	mg/Kg	1.00	EPA-350.1	TLL		12/15/2008
Total Kjeldahl Nitrogen	3480	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lana L Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3929
Received: 12/11/2008
Reported: 12/19/2008
Date/Time Sampled: 12/10/2008 15:45
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR-121008-ME-046**
Lab Sample # **LP08-3929-032**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	779.	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	2250	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	7.7	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	791.	mg/Kg	3.67	EPA-365.3	JS		12/16/2008
Total Organic Carbon	4720	mg/Kg	1000	SW-9060M	RC		12/15/2008
Ammonia-N	114.	mg/Kg	1.00	EPA-350.1	TLL		12/15/2008
Total Kjeldahl Nitrogen	2360	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lynn R Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3929
Received: 12/11/2008
Reported: 12/19/2008
Date/Time Sampled: 12/10/2008 15:50
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR-121008-ME-047**
Lab Sample # **LP08-3929-033**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	821.	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	640.	mg/Kg	1.00	Calculation	TLL		12/19/2008
pH, Laboratory Analyzed (Estimate)	7.9	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	628.	mg/Kg	3.49	EPA-365.3	JS		12/16/2008
Total Organic Carbon	6200	mg/Kg	1000	SW-9060M	RC		12/15/2008
Ammonia-N	2560	mg/Kg	1.00	EPA-350.1	TLL		12/18/2008
Total Kjeldahl Nitrogen	3200	mg/Kg	2.00	EPA-351.2	TLL		12/19/2008

Analysis Certified By: Linda L Jacks

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3929
Received: 12/11/2008
Reported: 12/19/2008
Date/Time Sampled: 12/10/2008 15:55
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR-121008-ME-048**
Lab Sample # **LP08-3929-034**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	451.	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	1650	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	7.5	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	161.	mg/Kg	3.68	EPA-365.3	JS		12/18/2008
Total Organic Carbon	5390	mg/Kg	1000	SW-9060M	RC		12/15/2008
Ammonia-N	98.3	mg/Kg	1.00	EPA-350.1	TLL		12/15/2008
Total Kjeldahl Nitrogen	1750	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lance L. Jackson

Alloway
Your Resource for Defensible Data

Project: LP08-3929

...mitted under this agreement

○ 1101 North Cole Street, Lima, OH 45805
(P) 419-223-1362 (F) 419-227-3792
○ 1776 Marion-Waldo Road, Marion OH 43302
(P) 740-389-5991 (F) 740-389-1481
○ 508 Bissman Court, Mansfield, OH 44903
(P) 419-525-1644 (F) 419-524-5575

Notes/Comments

Report To:
Name: MATT ELKINS
Company: ALLIED Environmental
Address: 1867 S. Dixie Hwy
Lima, OH 45804

Invoice To (If Different):
Name:
Company:
Address:
PO#:

Phone #: 419-227-4004 Fax #: 419-229-4106
E-mail: elkinsm@allied-environmental.com

Project Name: SOUTHERN ILLINOIS RAILCAR

Sampler (Print): MATT ELKINS (Signature): Matt Elk

Matrix Codes:
ww - wastewater, gw - groundwater, dw- drinking water, s - solid, w - water, oil - oil, sg - sludge, o - other

	Customer Sample ID / Sample Location	Sample Date	Sample Time	Comp.	Grab	Matrix	Number of Containers	Analysis Required	Alloway Lims # (For Lab Use Only)
1	SIR-121008-ME-001	12/10/08	09:00		X	S	1	TKN to Report Ammonia & Organic N.	3929-001
2	SIR-121008-ME-002		09:05		X	S	1	Nitrate, Nitrite, Phosphorous(total)	3929-002
3	SIR-121008-ME-003		09:10		X	S	Hold	TOC, pH	
4	SIR-121008-ME-004		09:15		X	S	1		3929-003
5	SIR-121008-ME-005		09:20		X	S	1		3929-004
6	SIR-121008-ME-006		09:25		X	S	Hold		
7	SIR-121008-ME-007		09:30		X	S	1		3929-005
8	SIR-121008-ME-008		09:35		X	S	1		3929-006

	Relinquished by:	Received by:	Date	Time
1	Matt Elk		12/11/08	9:20
2				
3				

Method of Sample Delivery:
UPS/FedEx ☐ Client Delivery ☐
Other ____ Alloway Pick-up ☐

Received for Laboratory By: (Signature)
12/11/08 09:20

Sample Receiving (For Lab Use Only)
Ice Present? Y ☒ N ☐
Proper Preservation? Y ☒ N ☐
Container Temperature: _____

Priority (for Client use)
Note: Rush Charges May Apply
24 Hrs ☐
48 Hrs ☐
3 Working Days ☐
Routine (5-10 Working days) ☒

White - Lab Copy Yellow - Client Copy

Alloway
Your Resource for Defensible Data

Chain of Custody Record

This is a legal document that authorizes Alloway to perform testing on samples submitted under this agreement

○ 1101 North Cole Street, Lima, OH 45805
(P) 419-223-1362 (F) 419-227-3792
○ 1776 Marion-Waldo Road, Marion OH 43302
(P) 740-389-5991 (F) 740-389-1481
○ 508 Bissman Court, Mansfield, OH 44903
(P) 419-525-1644 (F) 419-524-5575

Report To:
Name: MATT EIKINS
Company: ALLIED Environmental
Address: 1867 S. Dixie Hwy
Lima, OH 45804

Phone #: 419-227-4004 Fax #: 419-229-4106
E-mail: eikinsm@allied-environmental.com

Invoice To (If Different):
Name:
Company:
Address:
PO#:

Notes/Comments

Project Name: SOUTHERN ILLINOIS Railcar
Sampler (Print): MATT EIKINS (Signature): Matt Eikins

Matrix Codes:
ww - wastewater | s - solid | sg - sludge
gw - groundwater | w - water | o - other
dw- drinking water | oil - oil

	Customer Sample ID / Sample Location	Sample Date	Sample Time	Comp.	Grab	Matrix	Number of Containers	Analysis Required	Alloway Lims # (For Lab Use Only)
1	SIR-121008-ME-009	12/10/08	09:40	~~X~~	X	S	Hold	TKN, Nitrate, Nitrite, Phosphorous, TOC, pH	
2	SIR-121008-ME-010		09:50	~~X~~	X	S	1		3929-007
3	SIR-121008-ME-011		09:52		X	S	1		3929-008
4	SIR-121008-ME-012		09:55		X	S	1		3929-009
5	SIR-121008-ME-013		10:00		X	S	Hold		
6	SIR-121008-ME-014		10:05		X	S	1		3929-010
7	SIR-121008-ME-015		10:10		X	S	1		3929-011
8	SIR-121008-ME-016		10:15		X	S	Hold		

	Relinquished by:	Received by:	Date	Time
1	Matt Eikins		12/11/08	9:20
2				
3				

Method of Sample Delivery:
UPS/FedEx ☐ Client Delivery ☐
Other _____ Alloway Pick-up ☐

Received for Laboratory By: (Signature)
12/11/08 09:20

Sample Receiving (For Lab Use Only)
Ice Present? Y ☑ N ☐
Proper Preservation? Y ☑ N ☐
Container Temperature: _____

Priority (for Client use)
Note: Rush Charges May Apply
24 Hrs ☐
48 Hrs ☐
3 Working Days ☐
Routine (5-10 Working days) ☑

White - Lab Copy
Yellow - Client Copy

Alloway
Your Resource for Defensible Data

Chain of Custody Record

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(P) 740-389-5991 (F) 740-389-1481
○ 508 Bissman Court, Mansfield, OH 44903
(P) 419-525-1644 (F) 419-524-5575

Notes/Comments

Report To:	Invoice To (If Different):
Name: MATT ELKINS	Name:
Company: ALLIED ENVIRONMENTAL	Company:
Address: 1867 S. DIXIE HWY LIMA, OH 45804	Address:
	PO#:

Phone #: 419-227-4004 Fax #: 419-229-4106

E-mail: elkinsm@allied-environmental.com

Project Name: SOUTHERN ILLINOIS RAILCAR

Sampler (Print): MATT ELKINS (Signature):

Matrix Codes:
ww - wastewater, gw - groundwater, dw- drinking water, s - solid, w - water, oil - oil, sg - sludge, o - other

	Customer Sample ID / Sample Location	Sample Date	Sample Time	Comp.	Grab	Matrix	Number of Containers	Analysis Required	Alloway Lims # (For Lab Use Only)
1	SIR-121008-ME-017	12/10/08	1020		X	S	1	TKN, Nitrate, Nitrite, phosphorous, TOC, pH	3929-012
2	SIR-121008-ME-018		10:25		X	S	1		3929-013
3	SIR-121008-ME-019		10:30		X	S	Hold		
4	SIR-121008-ME-020		10:40		X	S	1		3929-014
5	SIR-121008-ME-021		10:45		X	S	1		3929-015
6	SIR-121008-ME-022		10:50		X	S	Hold		
7	SIR-121008-ME-023		11:00		X	S	1		3929-016
8	SIR-121008-ME-024		11:03		X	S	Hold		

	Relinquished by:	Received by:	Date	Time
1			12/11/08	9:20
2				
3				

Method of Sample Delivery:
UPS/FedEx ☐ Client Delivery ☐
Other _____ Alloway Pick-up ☐

Received for Laboratory By: (Signature)

12/11/08 9:20

Sample Receiving (For Lab Use Only)
Ice Present? Y ☒ N ☐
Proper Preservation? Y ☒ N ☐
Container Temperature: _____

Priority (for Client use)
Note: Rush Charges May Apply
24 Hrs ☐
48 Hrs ☐
3 Working Days ☐
Routine (5-10 Working days) ☒

White - Lab Copy
Yellow - Client Copy

Alloway
Your Resource for Defensible Data

Chain of Custody Record

This is a legal document that authorizes Alloway to perform testing on samples submitted under this agreement

○ 1101 North Cole Street, Lima, OH 45805
(P) 419-223-1362 (F) 419-227-3792
○ 1776 Marion-Waldo Road, Marion OH 43302
(P) 740-389-5991 (F) 740-389-1481
○ 508 Bissman Court, Mansfield, OH 44903
(P) 419-525-1644 (F) 419-524-5575

Notes/Comments

Report To:
Name: MATT ELKINS
Company: ALLIED ENVIRONMENTAL
Address: 1867 S. DIXIE HWY
LIMA, OH 45804

Invoice To (If Different):
Name:
Company:
Address:
PO#:

Phone #: (419) 227-4004 Fax #: 419-229-4106
E-mail: elkinsm@allied-environmental.com

Project Name: SOUTHERN ILLINOIS RAILCAR

Sampler (Print): MATT ELKINS (Signature): Matt Elkins

Matrix Codes:
ww - wastewater | s - solid | sg - sludge
gw - groundwater | w - water | o - other
dw- drinking water | oil - oil

	Customer Sample ID / Sample Location	Sample Date	Sample Time	Comp.	Grab	Matrix	Number of Containers	Analysis Required	Alloway Lims # (For Lab Use Only)
1	SIR-121008-ME-025	12/10/08	11:07		X	S	Hold	TKN, Nitrate, Nitrite, Phosphorous, TOC, pH	
2	SIR-121008-ME-026		11:10		X	S	1		3929-018
3	SIR-121008-ME-027		11:13		X	S	1		3929-019
4	SIR-121008-ME-028		11:15		X	S	1		3929-020
5	SIR-121008-ME-029		11:20		X	S	Hold		
6	SIR-121008-ME-030		11:25		X	S	Hold		
7	SIR-121008-ME-031		11:30		X	S	1		3929-021
8	SIR-121008-ME-032		11:35		X	S	1		3929-022

	Relinquished by:	Received by:	Date	Time
1	Matt Elkins		12/11/08	9:20
2				
3				

Method of Sample Delivery:
UPS/FedEx ❑ Client Delivery ❑
Other _____ Alloway Pick-up ❑

Received for Laboratory By: (Signature)
12/11/08 09:20

Sample Receiving (For Lab Use Only)
Ice Present? Y ☒ N ❑
Proper Preservation? Y ☒ N ❑
Container Temperature: _____

Priority (for Client use)
Note: Rush Charges May Apply
24 Hrs ❑
48 Hrs ❑
3 Working Days ❑
Routine (5-10 Working days) ☒

White - Lab Copy
Yellow - Client Copy

Alloway
Your Resource for Defensible Data

Chain of Custody Record

This is a legal document that authorizes Alloway to perform testing on samples submitted under this agreement

○ 1101 North Cole Street, Lima, OH 45805
(P) 419-223-1362 (F) 419-227-3792
○ 1776 Marion-Waldo Road, Marion OH 43302
(P) 740-389-5991 (F) 740-389-1481
○ 508 Bissman Court, Mansfield, OH 44903
(P) 419-525-1644 (F) 419-524-5575

Report To:	Invoice To (If Different):	Notes/Comments
Name: MATT ELKINS	Name:	
Company: ALLIED Environmental	Company:	
Address: 1867 S. Dixie Hwy Lima, OH 45804	Address:	
	PO#:	
Phone #: 419-227-4004	Fax #: 419-229-4106	
E-mail: elkinsm@allied-environmental.com		

Project Name: SOUTHERN ILLINOIS Railcar

Sampler (Print): MATT ELKINS (Signature): Matt Elkins

Matrix Codes:
ww - wastewater; gw - groundwater; dw- drinking water; s - solid; w - water; oil - oil; sg - sludge; o - other

	Customer Sample ID / Sample Location	Sample Date	Sample Time	Comp.	Grab	Matrix	Number of Containers	Analysis Required	Alloway Lims # (For Lab Use Only)
1	SIR-121008-ME-033	12/10/08	11:40		X	S	1	TKN, Nitrate, Nitrite, Phosphorus, TOC, pH	3929-023
2	SIR-121008-ME-034		13:50		X	S	1		3929-024
3	SIR-121008-ME-035		13:55		X	S	1		3929-025
4	SIR-121008-ME-036		14:00		X	S	Hold		
5	SIR-121008-ME-037		14:15		X	S	1		3929-026
6	SIR-121008-ME-038		14:20		X	S	1		3929-027
7	SIR-121008-ME-039		14:25		X	S	Hold		
8	SIR-121008-ME-040		14:45		X	S	1		3929-028

	Relinquished by:	Received by:	Date	Time
1			12/11/08	9:20
2				
3				

Method of Sample Delivery: UPS/FedEx ☐ Client Delivery ☐ Other _____ Alloway Pick-up ☐

Received for Laboratory By: (Signature) — Date: 12/11/08 Time: 09:20

Sample Receiving (For Lab Use Only): Ice Present? Y ☒ N ☐ Proper Preservation? Y ☒ N ☐ Container Temperature: _____

Priority (for Client use) — Note: Rush Charges May Apply: 24 Hrs ☐ 48 Hrs ☐ 3 Working Days ☐ Routine (5-10 Working days) ☒

White - Lab Copy Yellow - Client Copy

Alloway
Your Resource for Defensible Data

Chain of Custody Record

This is a legal document that authorizes Alloway to perform testing on samples submitted under this agreement

○ 1101 North Cole Street, Lima, OH 45805
(P) 419-223-1362 (F) 419-227-3792
○ 1776 Marion-Waldo Road, Marion OH 43302
(P) 740-389-5991 (F) 740-389-1481
○ 508 Bissman Court, Mansfield, OH 44903
(P) 419-525-1644 (F) 419-524-5575

Report To:
Name: MATT EIKINS
Company: ALLIED ENVIRONMENTAL
Address: 1867 S. DIXIE HWY
LIMA, OH 45804

Invoice To (If Different):
Name:
Company:
Address:
PO#:

Phone #: 419-227-4004 Fax #: 419-229-4106
E-mail: elkinsm@allied-environmental.com

Notes/Comments

Project Name: SOUTHERN ILLINOIS RAILCAR
Sampler (Print): MATT EIKINS (Signature): Matt Eikins

Matrix Codes:
ww - wastewater | s - solid | sg - sludge
gw - groundwater | w - water | o - other
dw- drinking water | oil - oil

	Customer Sample ID / Sample Location	Sample Date	Sample Time	Comp.	Grab	Matrix	Number of Containers	Analysis Required	Alloway Lims # (For Lab Use Only)
1	SIR-121008-ME-041	12/10/08	14:50		X	S	1	TKN, Nitrat, Nitrite, Phosphorous	29 3929-028
2	SIR-121008-ME-042	12/10/08	14:55		X	S	Hold	TOC, pH	30
3	SIR-121008-ME-043	12/10/08	15:30		X	S	1		29 3929-030
4	SIR-121008-ME-044	12/10/08	15:35		X	S	1		30 3929-031
5	SIR-121008-ME-045	12/10/08	15:40		X	S	Hold		32
6	SIR-121008-ME-046	12/10/08	15:45		X	S	1		31 3929-032
7	SIR-121008-ME-047	12/10/08	15:50		X	S	1		33 3929-033
8	SIR-121008-ME-048	12/10/08	15:55		X	S	1		34 3929-034

	Relinquished by:	Received by:	Date	Time
1	Matt Eikins		12/11/08	9:20
2				
3				

Method of Sample Delivery:
UPS/FedEx ☐ Client Delivery ☐
Other _____ Alloway Pick-up ☐

Received for Laboratory By: (Signature)
12/11/08 09:20

Sample Receiving (For Lab Use Only)
Ice Present? Y ☒ N ☐
Proper Preservation? Y ☒ N ☐
Container Temperature: _____

Priority (for Client use)
Note: Rush Charges May Apply
24 Hrs ☐
48 Hrs ☐
3 Working Days ☐
Routine (5-10 Working days) ☒

White - Lab Copy Yellow - Client Copy

Alloway
Your Resource for Defensible Data

ANALYTICAL REPORT

Lab Project #	LP08-3962
Received:	12/12/2008
Reported:	12/23/2008
Date/Time Sampled:	12/11/2008 08:30
Sampled By:	ME
Sampled Matrix:	Soil
Containers:	1

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121108 - ME - 050**

Lab Sample # **LP08-3962-001**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	146.	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	226.	mg/Kg	1.00	Calculation	TLL		12/18/2008
pH, Laboratory Analyzed (Estimate)	7.6	S.U.		SW-9040B/9045C	ER		12/17/2008
Phosphorus, Total	323.	mg/Kg	3.50	EPA-365.3	JS		12/17/2008
Total Organic Carbon	4420	mg/Kg	1000	SW-9060M	RC		12/17/2008
Ammonia-N	14.3	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	240.	mg/Kg	2.00	EPA-351.2	TLL		12/18/2008

Analysis Certified By: Lana K Jaubon

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3962
Received: 12/12/2008
Reported: 12/23/2008
Date/Time Sampled: 12/11/2008 08:33
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121108 - ME - 051**
Lab Sample # **LP08-3962-002**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	135.	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	201.	mg/Kg	1.00	Calculation	TLL		12/18/2008
pH, Laboratory Analyzed (Estimate)	7.6	S.U.		SW-9040B/9045C	ER		12/17/2008
Phosphorus, Total	345.	mg/Kg	3.86	EPA-365.3	JS		12/17/2008
Total Organic Carbon	1590	mg/Kg	1000	SW-9060M	RC		12/17/2008
Ammonia-N	12.8	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	214.	mg/Kg	2.00	EPA-351.2	TLL		12/18/2008

Analysis Certified By: Lana K Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3962
Received: 12/12/2008
Reported: 12/23/2008
Date/Time Sampled: 12/11/2008 08:35
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121108 - ME - 052**
Lab Sample # **LP08-3962-003**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	180.	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	20.3	mg/Kg	1.00	Calculation	TLL		12/18/2008
pH, Laboratory Analyzed (Estimate)	7.6	S.U.		SW-9040B/9045C	ER		12/17/2008
Phosphorus, Total	349.	mg/Kg	3.52	EPA-365.3	JS		12/17/2008
Total Organic Carbon	<1000	mg/Kg	1000	SW-9060M	RC		12/17/2008
Ammonia-N	18.7	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	39.0	mg/Kg	2.00	EPA-351.2	TLL		12/18/2008

Analysis Certified By: Karen L Jackson

ANALYTICAL REPORT

Lab Project #	LP08-3962
Received:	12/12/2008
Reported:	12/23/2008
Date/Time Sampled:	12/11/2008 10:00
Sampled By:	ME
Sampled Matrix:	Soil
Containers:	1

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121108 - ME - 055**

Lab Sample # **LP08-3962-004**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	255.	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	500.	mg/Kg	1.00	Calculation	TLL		12/19/2008
pH, Laboratory Analyzed (Estimate)	9.0	S.U.		SW-9040B/9045C	ER		12/17/2008
Phosphorus, Total	1750	mg/Kg	3.54	EPA-365.3	JS		12/17/2008
Total Organic Carbon	7280	mg/Kg	1000	SW-9060M	RC		12/17/2008
Ammonia-N	14200	mg/Kg	1.00	EPA-350.1	TLL		12/18/2008
Total Kjeldahl Nitrogen	14700	mg/Kg	2.00	EPA-351.2	TLL		12/19/2008

Analysis Certified By: Lana R Jaubon

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3962
Received: 12/12/2008
Reported: 12/23/2008
Date/Time Sampled: 12/11/2008 10:03
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121108 - ME - 056**
Lab Sample # **LP08-3962-005**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	326.	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	1310	mg/Kg	1.00	Calculation	TLL		12/19/2008
pH, Laboratory Analyzed (Estimate)	9.0	S.U.		SW-9040B/9045C	ER		12/17/2008
Phosphorus, Total	412.	mg/Kg	3.81	EPA-365.3	JS		12/17/2008
Total Organic Carbon	13400	mg/Kg	1000	SW-9060M	RC		12/17/2008
Ammonia-N	7700	mg/Kg	1.00	EPA-350.1	TLL		12/18/2008
Total Kjeldahl Nitrogen	9010	mg/Kg	2.00	EPA-351.2	TLL		12/19/2008

Analysis Certified By: Lana L Jackson

1101 North Cole Street, Lima, OH 45805
(P) 419-223-1362 (F) 419-227-3792

508 Bissman Court, Mansfield, OH 44903
(P) 419-525-1644 (F) 419-524-5575

Alloway
Your Resource for Defensible Data

Chain of Custody Record

Report To:
Name: MATT ELKINS
Company: ALLIED ENVIRONMENTAL
Address: 1867 S. DIXIE HWY
LIMA, OH 45804

Invoice To (If Different):
Name:
Company:
Address:

Phone No: 419-227-4004 Fax No: 419-229-4106
E-mail: elkinsm@allied-environmental.com PO No:

Notes:
Project: LP08-3962

Project Name: SOUTHERN ILLINOIS Railcar
Sampler (Print): MATT ELKINS (Signature): Matt Elkins

Matrix Codes:
ww - wastewater | s - solid | sg - sludge
gw - groundwater | w - water | o - other

	Customer Sample ID / Sample Location	Sample Date	Sample Time	Comp.	Grab	Matrix	Number of Containers	Alloway LIMS #	Analysis Required
1	SIR-121108-ME-050	12/11/08	0830		X	S	1		TKN, Nitrates, Nitrites, phosphor., TOC, pH
2	SIR-121108-ME-051	12/11/08	0833		X	S	1		↓ ↓
3	SIR-121108-ME-052	12/11/08	0835		X	S	1		↓ ↓
4	SIR-121108-ME-053	12/11/08	0837		X	S	1		HOLD
5	SIR-121108-ME-054	12/11/08	0940		X	S	1		HOLD
6	SIR-121108-ME-055	12/11/08	1000		X	S	1		TKN, Nitrates, nitrites, phosphor., TOC, pH
7	SIR-121108-ME-056	12/11/08	1003		X	S	1		↓ ↓
8	SIR-121108-ME-057	12/11/08	1005		X	S	1		HOLD

	Relinquished by:	Received by:	Date	Time
1	Matt Elkins		12/12/08	07:30
2				
3				
4				

Method of Shipment

Received for Laboratory By: (Signature) 12/12/08 09:02

Priority
- 24 Hrs ☐
- 48 Hrs ☐
- 3 Working Days ☐
- Routine (5-10 Working days) ☒
- Other:

White - Lab Copy Yellow - Client Copy

Alloway
Your Resource for Defensible Data

ANALYTICAL REPORT

Lab Project #	LP08-3961
Received:	12/12/2008
Reported:	12/23/2008
Date/Time Sampled:	12/11/2008 10:10
Sampled By:	ME
Sampled Matrix:	Soil
Containers:	1

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121108 - ME - 058**

Lab Sample # **LP08-3961-001**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	486.	mg/Kg	0.60	SW-9056	MS		12/18/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/18/2008
Organic Nitrogen	4600	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	8.9	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	1320	mg/Kg	3.98	EPA-365.3	JS		12/16/2008
Total Organic Carbon	10500	mg/Kg	1000	SW-9060M	RC		12/16/2008
Ammonia-N	12300	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	16900	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lana L Jacobs

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3961
Received: 12/12/2008
Reported: 12/23/2008
Date/Time Sampled: 12/11/2008 10:15
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121108 - ME - 059**
Lab Sample # **LP08-3961-002**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	272.	mg/Kg	0.60	SW-9056	MS		12/18/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	143.	mg/Kg	1.00	Calculation	TLL		12/19/2008
pH, Laboratory Analyzed (Estimate)	7.8	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	329.	mg/Kg	3.79	EPA-365.3	JS		12/16/2008
Total Organic Carbon	7490	mg/Kg	1000	SW-9060M	RC		12/16/2008
Ammonia-N	42.2	mg/Kg	1.00	EPA-350.1	TLL		12/18/2008
Total Kjeldahl Nitrogen	185.	mg/Kg	2.00	EPA-351.2	TLL		12/19/2008

Analysis Certified By: Lana R Jackson

ANALYTICAL REPORT

Lab Project # LP08-3961
Received: 12/12/2008
Reported: 12/23/2008

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Date/Time Sampled: 12/11/2008 10:20
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121108 - ME - 060**
Lab Sample # **LP08-3961-003**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	242.	mg/Kg	0.60	SW-9056	MS		12/18/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	1290	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	7.9	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	345.	mg/Kg	3.68	EPA-365.3	JS		12/16/2008
Total Organic Carbon	7410	mg/Kg	1000	SW-9060M	RC		12/16/2008
Ammonia-N	162.	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	1450	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: _____

ANALYTICAL REPORT

Lab Project # LP08-3961
Received: 12/12/2008
Reported: 12/23/2008

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Date/Time Sampled: 12/11/2008 10:21
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121108 - ME - 061**
Lab Sample # **LP08-3961-004**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	213.	mg/Kg	0.60	SW-9056	MS		12/18/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	1750	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	7.4	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	391.	mg/Kg	3.46	EPA-365.3	JS		12/16/2008
Total Organic Carbon	7380	mg/Kg	1000	SW-9060M	RC		12/16/2008
Ammonia-N	76.6	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	1830	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lance L Jackson

ANALYTICAL REPORT

Lab Project # LP08-3961

Received: 12/12/2008
Reported: 12/23/2008

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Date/Time Sampled: 12/11/2008 10:23
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121108 - ME - 062**

Lab Sample # **LP08-3961-005**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	33.1	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	1830	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	7.8	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	328.	mg/Kg	3.50	EPA-365.3	JS		12/16/2008
Total Organic Carbon	6480	mg/Kg	1000	SW-9060M	RC		12/16/2008
Ammonia-N	23.1	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	1850	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Tamara K Jackson

ANALYTICAL REPORT

Lab Project # LP08-3961
Received: 12/12/2008
Reported: 12/23/2008

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Date/Time Sampled: 12/11/2008 10:25
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121108 - ME - 063**
Lab Sample # **LP08-3961-006**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	1.49	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	1720	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	7.5	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	400.	mg/Kg	3.67	EPA-365.3	JS		12/16/2008
Total Organic Carbon	11100	mg/Kg	1000	SW-9060M	RC		12/16/2008
Ammonia-N	50.9	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	1770	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lana R Jaikn

ANALYTICAL REPORT

Lab Project # LP08-3961
Received: 12/12/2008
Reported: 12/23/2008

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Date/Time Sampled: 12/11/2008 10:30
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121108 - ME - 064**
Lab Sample # **LP08-3961-007**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	1150	mg/Kg	0.60	SW-9056	MS		12/18/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	900.	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	8.5	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	2250	mg/Kg	3.98	EPA-365.3	JS		12/16/2008
Total Organic Carbon	3160	mg/Kg	1000	SW-9060M	RC		12/16/2008
Ammonia-N	4790	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	5690	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Tamra L Jaubon

ANALYTICAL REPORT

Lab Project # LP08-3961
Received: 12/12/2008
Reported: 12/23/2008

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Date/Time Sampled: 12/11/2008 10:35
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121108 - ME - 065**
Lab Sample # **LP08-3961-008**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	665.	mg/Kg	0.60	SW-9056	MS		12/18/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	6400	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	8.3	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	1950	mg/Kg	3.91	EPA-365.3	JS		12/16/2008
Total Organic Carbon	7060	mg/Kg	1000	SW-9060M	RC		12/22/2008
Ammonia-N	2290	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	8690	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lance K Jackson

ANALYTICAL REPORT

Lab Project #	LP08-3961
Received:	12/12/2008
Reported:	12/23/2008
Date/Time Sampled:	12/11/2008 10:45
Sampled By:	ME
Sampled Matrix:	Soil
Containers:	1

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121108 - ME - 067**

Lab Sample # **LP08-3961-009**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	475.	mg/Kg	0.60	SW-9056	MS		12/18/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	16600	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	7.4	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	400.	mg/Kg	4.00	EPA-365.3	JS		12/16/2008
Total Organic Carbon	11100	mg/Kg	1000	SW-9060M	RC		12/22/2008
Ammonia-N	37.6	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	16600	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lana R Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3961
Received: 12/12/2008
Reported: 12/23/2008
Date/Time Sampled: 12/11/2008 10:47
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121108 - ME - 068**
Lab Sample # **LP08-3961-010**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	184.	mg/Kg	0.60	SW-9056	MS		12/18/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	16200	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	7.7	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	343.	mg/Kg	3.89	EPA-365.3	JS		12/16/2008
Total Organic Carbon	7150	mg/Kg	1000	SW-9060M	RC		12/22/2008
Ammonia-N	983.	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	17100	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Jamie L Jacka

ANALYTICAL REPORT

Lab Project # LP08-3961
Received: 12/12/2008
Reported: 12/23/2008

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Date/Time Sampled: 12/11/2008 10:55
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121108 - ME - 070**
Lab Sample # **LP08-3961-011**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	202.	mg/Kg	0.60	SW-9056	MS		12/18/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/18/2008
Organic Nitrogen	300.	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	9.0	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	1550	mg/Kg	3.84	EPA-365.3	JS		12/16/2008
Total Organic Carbon	4770	mg/Kg	1000	SW-9060M	RC		12/22/2008
Ammonia-N	10000	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	10300	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lana L Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3961
Received: 12/12/2008
Reported: 12/23/2008
Date/Time Sampled: 12/11/2008 11:00
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121108 - ME - 071**
Lab Sample # **LP08-3961-012**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	359.	mg/Kg	0.60	SW-9056	MS		12/18/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/18/2008
Organic Nitrogen	1130	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	8.8	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	998.	mg/Kg	3.99	EPA-365.3	JS		12/16/2008
Total Organic Carbon	4650	mg/Kg	1000	SW-9060M	RC		12/17/2008
Ammonia-N	5530	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	6660	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Rana L Jacks

ANALYTICAL REPORT

Lab Project # LP08-3961
Received: 12/12/2008
Reported: 12/23/2008

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Date/Time Sampled: 12/11/2008 10:57
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121108 - ME - 073**
Lab Sample # **LP08-3961-013**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	185.	mg/Kg	0.60	SW-9056	MS		12/18/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/18/2008
Organic Nitrogen	1200	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	9.0	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	1870	mg/Kg	3.57	EPA-365.3	JS		12/16/2008
Total Organic Carbon	8830	mg/Kg	1000	SW-9060M	RC		12/17/2008
Ammonia-N	12500	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	13700	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lance R Jackson

ANALYTICAL REPORT

Lab Project # LP08-3961
Received: 12/12/2008
Reported: 12/23/2008

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Date/Time Sampled: 12/11/2008 12:35
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121108 - ME - 074**
Lab Sample # **LP08-3961-014**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	15.1	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	2090	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	7.8	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	577.	mg/Kg	3.89	EPA-365.3	JS		12/16/2008
Total Organic Carbon	5550	mg/Kg	1000	SW-9060M	RC		12/17/2008
Ammonia-N	99.2	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	2190	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lana L Jacobs

ANALYTICAL REPORT

Lab Project # LP08-3961
Received: 12/12/2008
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Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Date/Time Sampled: 12/11/2008 12:40
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121108 - ME - 075**
Lab Sample # **LP08-3961-015**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	42.6	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	998.	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	7.2	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	330.	mg/Kg	3.43	EPA-365.3	JS		12/16/2008
Total Organic Carbon	<1000	mg/Kg	1000	SW-9060M	RC		12/17/2008
Ammonia-N	152.	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	1150	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Kara B Jacobs

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3961
Received: 12/12/2008
Reported: 12/23/2008
Date/Time Sampled: 12/11/2008 12:43
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121108 - ME - 077**
Lab Sample # **LP08-3961-016**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	3.16	mg/Kg	0.10	SW-9056	MS		12/17/2008
Nitrite-N	<0.10	mg/Kg	0.10	SW-9056	MS		12/17/2008
Organic Nitrogen	45.5	mg/Kg	1.00	Calculation	TLL		12/18/2008
pH, Laboratory Analyzed (Estimate)	8.0	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	63.2	mg/Kg	3.69	EPA-365.3	JS		12/18/2008
Total Organic Carbon	<1000	mg/Kg	1000	SW-9060M	RC		12/17/2008
Ammonia-N	25.5	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	71.0	mg/Kg	2.00	EPA-351.2	TLL		12/18/2008

Analysis Certified By: Lana L Jackson

ANALYTICAL REPORT

Lab Project # LP08-3961
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Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Date/Time Sampled: 12/11/2008 13:30
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121108 - ME - 078**
Lab Sample # **LP08-3961-017**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	2.19	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	93.2	mg/Kg	1.00	Calculation	TLL		12/18/2008
pH, Laboratory Analyzed (Estimate)	7.8	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	259.	mg/Kg	3.83	EPA-365.3	JS		12/16/2008
Total Organic Carbon	6230	mg/Kg	1000	SW-9060M	RC		12/17/2008
Ammonia-N	22.8	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	116.	mg/Kg	2.00	EPA-351.2	TLL		12/18/2008

Analysis Certified By: James K Jacka

ANALYTICAL REPORT

Lab Project # LP08-3961
Received: 12/12/2008
Reported: 12/23/2008

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Date/Time Sampled: 12/11/2008 13:33
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121108 - ME - 079**
Lab Sample # **LP08-3961-018**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	15.0	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	1460	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	6.8	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	1650	mg/Kg	3.78	EPA-365.3	JS		12/16/2008
Total Organic Carbon	3030	mg/Kg	1000	SW-9060M	RC		12/17/2008
Ammonia-N	25.3	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	1480	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lana K Jackson

ANALYTICAL REPORT

Lab Project # LP08-3961
Received: 12/12/2008
Reported: 12/23/2008

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Date/Time Sampled: 12/11/2008 13:35
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121108 - ME - 080**
Lab Sample # **LP08-3961-019**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	38.7	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	1560	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	5.5	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	376.	mg/Kg	3.36	EPA-365.3	JS		12/16/2008
Total Organic Carbon	4240	mg/Kg	1000	SW-9060M	RC		12/17/2008
Ammonia-N	221.	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	1780	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lana R Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3961
Received: 12/12/2008
Reported: 12/23/2008
Date/Time Sampled: 12/11/2008 13:45
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121108 - ME - 082**
Lab Sample # **LP08-3961-020**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	1.96	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	59.5	mg/Kg	1.00	Calculation	TLL		12/18/2008
pH, Laboratory Analyzed (Estimate)	8.0	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	332.	mg/Kg	3.79	EPA-365.3	JS		12/16/2008
Total Organic Carbon	<1000	mg/Kg	1000	SW-9060M	RC		12/17/2008
Ammonia-N	18.5	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	78.0	mg/Kg	2.00	EPA-351.2	TLL		12/18/2008

Analysis Certified By: Renee K Jaubon

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3961
Received: 12/12/2008
Reported: 12/23/2008
Date/Time Sampled: 12/11/2008 13:50
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121108 - ME - 083**
Lab Sample # **LP08-3961-021**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	1.52	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	19.6	mg/Kg	1.00	Calculation	TLL		12/18/2008
pH, Laboratory Analyzed (Estimate)	8.4	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	325.	mg/Kg	3.95	EPA-365.3	JS		12/16/2008
Total Organic Carbon	<1000	mg/Kg	1000	SW-9060M	RC		12/17/2008
Ammonia-N	31.4	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	51.0	mg/Kg	2.00	EPA-351.2	TLL		12/18/2008

Analysis Certified By: Lana K Jackson

ANALYTICAL REPORT

Lab Project # LP08-3961
Received: 12/12/2008
Reported: 12/23/2008

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Date/Time Sampled: 12/11/2008 14:10
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121108 - ME - 085**
Lab Sample # **LP08-3961-022**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	55.0	mg/Kg	1.00	Calculation	TLL		12/19/2008
pH, Laboratory Analyzed (Estimate)	7.6	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	130.	mg/Kg	3.78	EPA-365.3	JS		12/16/2008
Total Organic Carbon	3140	mg/Kg	1000	SW-9060M	RC		12/17/2008
Ammonia-N	115.	mg/Kg	1.00	EPA-350.1	TLL		12/18/2008
Total Kjeldahl Nitrogen	170.	mg/Kg	2.00	EPA-351.2	TLL		12/19/2008

Analysis Certified By: Lana R Jackson

ANALYTICAL REPORT

Lab Project #	LP08-3961
Received:	12/12/2008
Reported:	12/23/2008
Date/Time Sampled:	12/11/2008 14:15
Sampled By:	ME
Sampled Matrix:	Soil
Containers:	1

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121108 - ME - 086**

Lab Sample # **LP08-3961-023**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	8.28	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	155.	mg/Kg	1.00	Calculation	TLL		12/18/2008
pH, Laboratory Analyzed (Estimate)	7.6	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	374.	mg/Kg	4.00	EPA-365.3	JS		12/16/2008
Total Organic Carbon	2060	mg/Kg	1000	SW-9060M	RC		12/17/2008
Ammonia-N	19.6	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	175.	mg/Kg	2.00	EPA-351.2	TLL		12/18/2008

Analysis Certified By: Dana R Jackson

ANALYTICAL REPORT

Lab Project # LP08-3961
Received: 12/12/2008
Reported: 12/23/2008

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Date/Time Sampled: 12/11/2008 14:30
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121108 - ME - 088**
Lab Sample # **LP08-3961-024**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	1760	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	8.3	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	539.	mg/Kg	3.55	EPA-365.3	JS		12/16/2008
Total Organic Carbon	4020	mg/Kg	1000	SW-9060M	RC		12/17/2008
Ammonia-N	23.7	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	1780	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Laura B Jackson

ANALYTICAL REPORT

Lab Project # LP08-3961
Received: 12/12/2008
Reported: 12/23/2008

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Date/Time Sampled: 12/11/2008 14:35
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121108 - ME - 089**
Lab Sample # **LP08-3961-025**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	35.0	mg/Kg	1.00	Calculation	TLL		12/18/2008
pH, Laboratory Analyzed (Estimate)	8.3	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	472.	mg/Kg	3.37	EPA-365.3	JS		12/16/2008
Total Organic Carbon	3680	mg/Kg	1000	SW-9060M	RC		12/17/2008
Ammonia-N	<1.00	mg/Kg	1.00	EPA-350.1	TLL		12/18/2008
Total Kjeldahl Nitrogen	35.0	mg/Kg	2.00	EPA-351.2	TLL		12/18/2008

Analysis Certified By: Karen K Jarboe

ANALYTICAL REPORT

Lab Project # LP08-3961
Received: 12/12/2008
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Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Date/Time Sampled: 12/11/2008 15:00
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121108 - ME - 091**
Lab Sample # **LP08-3961-026**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	110.	mg/Kg	0.60	SW-9056	MS		12/16/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/16/2008
Organic Nitrogen	1130	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	7.1	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	127.	mg/Kg	3.92	EPA-365.3	JS		12/16/2008
Total Organic Carbon	7300	mg/Kg	1000	SW-9060M	RC		12/17/2008
Ammonia-N	483.	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	1610	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lena K Jaibon

ANALYTICAL REPORT

Lab Project # LP08-3961
Received: 12/12/2008
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Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Date/Time Sampled: 12/11/2008 15:05
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121108 - ME - 092**
Lab Sample # **LP08-3961-027**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	252.	mg/Kg	0.60	SW-9056	MS		12/18/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/18/2008
Organic Nitrogen	1550	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	5.8	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	316.	mg/Kg	3.83	EPA-365.3	JS		12/16/2008
Total Organic Carbon	2710	mg/Kg	1000	SW-9060M	RC		12/17/2008
Ammonia-N	22.0	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	1570	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lana K Jackson

ANALYTICAL REPORT

Lab Project # LP08-3961
Received: 12/12/2008
Reported: 12/23/2008

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Date/Time Sampled: 12/11/2008 15:30
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121108 - ME - 094**
Lab Sample # **LP08-3961-028**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	2.76	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	1290	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	7.4	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	2130	mg/Kg	3.86	EPA-365.3	JS		12/17/2008
Total Organic Carbon	12100	mg/Kg	1000	SW-9060M	RC		12/17/2008
Ammonia-N	124.	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	1410	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lana L Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3961
Received: 12/12/2008
Reported: 12/23/2008
Date/Time Sampled: 12/11/2008 15:35
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121108 - ME - 095**
Lab Sample # **LP08-3961-029**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	6.07	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	42.6	mg/Kg	1.00	Calculation	TLL		12/18/2008
pH, Laboratory Analyzed (Estimate)	7.4	S.U.		SW-9040B/9045C	ER		12/16/2008
Phosphorus, Total	84.8	mg/Kg	3.73	EPA-365.3	JS		12/17/2008
Total Organic Carbon	3110	mg/Kg	1000	SW-9060M	RC		12/22/2008
Ammonia-N	12.4	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	55.0	mg/Kg	2.00	EPA-351.2	TLL		12/18/2008

Analysis Certified By: Lana L Jacka

ANALYTICAL REPORT

Lab Project # LP08-3961
Received: 12/12/2008
Reported: 12/23/2008

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Date/Time Sampled: 12/11/2008 15:40
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121108 - ME - 096**
Lab Sample # **LP08-3961-030**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	8.89	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	104.	mg/Kg	1.00	Calculation	TLL		12/18/2008
pH, Laboratory Analyzed (Estimate)	7.2	S.U.		SW-9040B/9045C	JS		12/16/2008
Phosphorus, Total	263.	mg/Kg	3.45	EPA-365.3	JS		12/17/2008
Total Organic Carbon	3510	mg/Kg	1000	SW-9060M	RC		12/17/2008
Ammonia-N	11.5	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	116.	mg/Kg	2.00	EPA-351.2	TLL		12/18/2008

Analysis Certified By: Lance R Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3961
Received: 12/12/2008
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Date/Time Sampled: 12/11/2008 15:45
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121108 - ME - 097**
Lab Sample # **LP08-3961-031**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	21.1	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	73.7	mg/Kg	1.00	Calculation	TLL		12/18/2008
pH, Laboratory Analyzed (Estimate)	7.4	S.U.		SW-9040B/9045C	JS		12/16/2008
Phosphorus, Total	351.	mg/Kg	3.75	EPA-365.3	JS		12/17/2008
Total Organic Carbon	2880	mg/Kg	1000	SW-9060M	RC		12/17/2008
Ammonia-N	2.30	mg/Kg	1.00	EPA-350.1	TLL		12/18/2008
Total Kjeldahl Nitrogen	76.0	mg/Kg	2.00	EPA-351.2	TLL		12/18/2008

Analysis Certified By: Lance K Jackson

Alloway
Your Resource for Defensible Data

Chain of Custody Record

This is a legal document that authorizes Alloway to perform testing on samples submitted under this agreement

☒ 1101 North Cole Street, Lima, OH 45805
(P) 419-223-1362 (F) 419-227-3792
○ 1776 Marion-Waldo Road, Marion OH 43302
(P) 740-389-5991 (F) 740-389-1481
○ 508 Bissman Court, Mansfield, OH 44903
(P) 419-525-1644 (F) 419-524-5575

Report To:
Name: MATT EIKINS
Company: ALLIED Environmental
Address: 1867 S. Dixie Hwy
Lima, OH 45804

Invoice To (If Different):
Name:
Company:
Address:
PO#:

Phone #: 419-227-4004 Fax #: 419-229-4106
E-mail: eikinsm@allied-environmental.com

Notes/Comments

Project: LP08-3961

Project Name: SOUTHERN ILLINOIS Railcar

Sampler (Print): MATT EIKINS (Signature): Matt Eikins

Matrix Codes:
ww - wastewater; gw - groundwater; dw- drinking water; s - solid; w - water; oil - oil; sg - sludge; o - other

	Customer Sample ID / Sample Location	Sample Date	Sample Time	Comp.	Grab	Matrix	Number of Containers	Analysis Required	Alloway Lims # (For Lab Use Only)
1	SIR-121108-ME-058	12/11/08	1010		X	S	1	TKN, Nitrate, Nitrite, phosphorous, TOC, pH	3961-001
2	SIR-121108-ME-059		1015		X	S	1		3961-002
3	SIR-121108-ME-060		1020		X	S	1		3961-003
4	SIR-121108-ME-061		1021		X	S	1		3961-004
5	SIR-121108-ME-062		1023		X	S	1		3961-005
6	SIR-121108-ME-063		1025		X	S	1		3961-006
7	SIR-121108-ME-064		1030		X	S	1		3961-007
8	SIR-121108-ME-065		1035		X	S	1		3961-008

	Relinquished by:	Received by:	Date	Time
1	Matt Eikins		12/12/08	07:30
2				
3				

Sample Receiving (For Lab Use Only)
Ice Present? Y ☒ N ☐
Proper Preservation? Y ☒ N ☐
Container Temperature: _____

Priority (for Client use) Note: Rush Charges May Apply
24 Hrs ☐
48 Hrs ☐
3 Working Days ☐
Routine (5-10 Working days) ☒

Method of Sample Delivery:
UPS/FedEx ☐ Client Delivery ☐
Other _____ Alloway Pick-up ☐

Received for Laboratory By: (Signature)
Date: 12/12/08 Time: 09:02

White - Lab Copy Yellow - Client Copy

Alloway
Your Resource for Defensible Data

Chain of Custody Record

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508 Bissman Court, Mansfield, OH 44903
(P) 419-525-1644 (F) 419-524-5575

Report To:
Name: MATT ELKINS
Company: ALLIED Environmental
Address: 1867 S. Dixie Hwy
Lima, OH 45804

Invoice To (If Different):
Name:
Company:
Address:
PO#:

Phone #: 419-227-4004 Fax #: 419-229-4106
E-mail: elkinsm@allied-environmental.com

Notes/Comments

Project Name: SOUTHERN ILLINOIS Railcar
Sampler (Print): MATT ELKINS (Signature): Matt Elk.

Matrix Codes:
ww - wastewater; s - solid; sg - sludge; gw - groundwater; w - water; o - other; dw- drinking water; oil - oil

	Customer Sample ID / Sample Location	Sample Date	Sample Time	Comp.	Grab	Matrix	Number of Containers	Analysis Required	Alloway Lims # (For Lab Use Only)
1	SIR-121108-ME-066	12/11/08	1040		X	S	1	HOLD	
2	SIR-121108-ME-067	↓	1045		X	S	1	TKN, Nitrate, Nitrite, phosphorous, TOC, pH	3961-009
3	SIR-121108-ME-068		1047		X	S	1	↓ ↓	3961-010
4	SIR-121108-ME-069		1050		X	S	1	HOLD	
5	SIR-121108-ME-070		1055		X	S	1	TKN, Nitrate, Nitrite, phosphorous, TOC, pH	3961-011
6	SIR-121108-ME-071		1100		X	S	1	↓ ↓	3961-012
7	SIR-121108-ME-072		1105		X	S	1	HOLD	
8	SIR-121108-ME-073	↓	1057		X	S	1	TKN, Nitrate, Nitrite, phosphorous, TOC, pH	3961-013

	Relinquished by:	Received by:	Date	Time
1	Matt Elk.		12/12/08	07:30
2				
3				
	Method of Sample Delivery:	Received for Laboratory By: (Signature)	R/12/08	09:02

UPS/FedEx ☐ Client Delivery ☐
Other _____ Alloway Pick-up ☐

Sample Receiving (For Lab Use Only)
Ice Present? Y ☒ N ☐
Proper Preservation? Y ☒ N ☐
Container Temperature: _____

Priority (for Client use) Note: Rush Charges May Apply
24 Hrs ☐
48 Hrs ☐
3 Working Days ☐
Routine (5-10 Working days) ☒

White - Lab Copy
Yellow - Client Copy

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Report To:
Name: MATT EIKINS
Company: ALLIED Environmental
Address: 1867 S. Dixie Hwy
Lima, OH 45804

Invoice To (If Different):
Name:
Company:
Address:
PO#:

Phone #: 419-227-4004 Fax #: 419-229-4106
E-mail: elkinsm@allied-environmental.com

Notes/Comments

Project Name: SOUTHERN ILLINOIS Railcar
Sampler (Print): MATT EIKINS (Signature): Matt Eikins

Matrix Codes:
ww - wastewater; gw - groundwater; dw- drinking water; s - solid; w - water; oil - oil; sg - sludge; o - other

	Customer Sample ID / Sample Location	Sample Date	Sample Time	Comp.	Grab	Matrix	Number of Containers	Analysis Required	Alloway Lims # (For Lab Use Only)
1	SIR-121108-ME-074	12/11/08	1235		X	S		TKN, Nitrate, Nitrite, phosphorous, TOC, pH	3961-014
2	SIR-121108-ME-075	↓	1240		X	S		↓ ↓	3961-015
3	SIR-121108-ME-076		1245		X	S		HOLD	
4	SIR-12408-ME-077		1243		X	S		TKN, Nitrate, Nitrite, phosphorous, TOC, pH	3961-016
5	SIR-121108-ME-078		1330		X	S		↓ ↓	3961-017
6	SIR-121108-ME-079		1333		X	S			3961-018
7	SIR-121108-ME-080		1335		X	S			3961-019
8	SIR-121108-ME-081	↓	1340		X	S		HOLD	

	Relinquished by:	Received by:	Date	Time
1	Matt Eikins		12/12/08	07:30
2				
3				

Method of Sample Delivery:
UPS/FedEx ☐ Client Delivery ☐
Other _____ Alloway Pick-up ☐

Received for Laboratory By: (Signature)
12/12/08 9:02

White - Lab Copy Yellow - Client Copy

Sample Receiving (For Lab Use Only)
Ice Present? Y ☒ N ☐
Proper Preservation? Y ☒ N ☐
Container Temperature: _____

Priority (for Client use) Note: Rush Charges May Apply
24 Hrs ☐
48 Hrs ☐
3 Working Days ☐
Routine (5-10 Working days) ☒

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Phone #: 419-227-4004 Fax #: 419-229-4106
E-mail: eikinsm@allied-environmental.com

Notes/Comments

Project Name: SOUTHERN ILLINOIS Rail Car
Sampler (Print): MATT EIKINS (Signature): Matt Eikins

Matrix Codes:
ww - wastewater; s - solid; sg - sludge
gw - groundwater; w - water; o - other
dw- drinking water; oil - oil

	Customer Sample ID / Sample Location	Sample Date	Sample Time	Comp.	Grab	Matrix	Number of Containers	Analysis Required	Alloway Lims # (For Lab Use Only)
1	SIR-121108-ME-082	12/11/08	1345		X	S	1	TKN, Nitrate, Nitrite, phosphorus, TOC, pH	3961-020
2	SIR-121108-ME-083	↓	1350		X	S	1	↓ ↓	3961-021
3	SIR-121108-ME-084		1355		X	S	1	HOLD	
4	SIR-121108-ME-085		1410		X	S	1	TKN, Nitrate, Nitrite, phospl., TOC, pH	3961-022
5	SIR-121108-ME-086		1415		X	S	1	↓ ↓	3961-023
6	SIR-121108-ME-087		1420		X	S	1	HOLD	
7	SIR-121108-ME-088		1430		X	S	1	TKN, Nitrate, Nitrite, phospl., TOC, pH	3961-024
8	SIR-121108-ME-089	↓	1435		X	S	1	↓ ↓	3961-025

	Relinquished by:	Received by:	Date	Time
1	Matt Eikins		12/12/08	07:30
2				
3				

Sample Receiving (For Lab Use Only)
Ice Present? Y ☒ N ☐
Proper Preservation? Y ☒ N ☐
Container Temperature: _____

Priority (for Client use) Note: Rush Charges May Apply
24 Hrs ☐
48 Hrs ☐
3 Working Days ☐
Routine (5-10 Working days) ☒

Method of Sample Delivery:
UPS/FedEx ☐ Client Delivery ☐
Other _____ Alloway Pick-up ☐

Received for Laboratory By: (Signature)
12/12/08 09:02

White - Lab Copy Yellow - Client Copy

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Lima, OH 45804

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Name:
Company:
Address:
PO#:

Phone #: 419-227-4004 Fax #: 419-229-4106
E-mail: eikinsm@allied-environmental.com

Notes/Comments

Project Name: SOUTHERN ILLINOIS Railcar
Sampler (Print): MATT EIKINS (Signature): Matt Eikins

Matrix Codes:
ww - wastewater | s - solid | sg - sludge
gw - groundwater | w - water | o - other
dw- drinking water | oil - oil

	Customer Sample ID / Sample Location	Sample Date	Sample Time	Comp.	Grab	Matrix	Number of Containers	Analysis Required	Alloway Lims # (For Lab Use Only)
1	SIR-121108-ME-090	12/11/08	1440		X	S	1	HOLD	
2	SIR-121108-ME-091		1500		X	S	1	TKN, Nitrate, Nitrite, phospt., TOC, pH	
3	SIR-121108-ME-092		1505		X	S	1	↓ ↓	
4	SIR-121108-ME-093		1510		X	S	1	HOLD	
5	SIR-121108-ME-094		1530		X	S	1	TKN, Nitrate, Nitrite, phospt., TOC, pH	
6	SIR-121108-ME-095		1535		X	S	1	↓ ↓	
7	SIR-121108-ME-096		1540		X	S	1		
8	SIR-121108-ME-097	↓	1545		X	S	1		

	Relinquished by:	Received by:	Date	Time
1	Matt Eikins		12/12/08	07:30
2				
3				

Method of Sample Delivery:
UPS/FedEx ☐ Client Delivery ☐
Other _____ Alloway Pick-up ☐

Received for Laboratory By: (Signature)
12/12/08 09:02

Sample Receiving (For Lab Use Only)
Ice Present? Y ☒ N ☐
Proper Preservation? Y ☐ N ☐
Container Temperature: _____

Priority (for Client use)
Note: Rush Charges May Apply
24 Hrs ☐
48 Hrs ☐
3 Working Days ☐
Routine (5-10 Working days) ☒

White - Lab Copy Yellow - Client Copy

ANALYTICAL REPORT

Lab Project #	LP08-3981
Received:	12/12/2008
Reported:	12/23/2008
Date/Time Sampled:	12/12/2008 08:30
Sampled By:	ME
Sampled Matrix:	Soil
Containers:	1

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121208 - ME - 098**

Lab Sample # **LP08-3981-001**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	39.1	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	7.10	mg/Kg	1.00	Calculation	TLL		12/18/2008
pH, Laboratory Analyzed (Estimate)	7.6	S.U.		SW-9040B/9045C	ER		12/17/2008
Phosphorus, Total	103.	mg/Kg	3.65	EPA-365.3	JS		12/18/2008
Total Organic Carbon	2620	mg/Kg	1000	SW-9060M	RC		12/18/2008
Ammonia-N	17.9	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	25.0	mg/Kg	2.00	EPA-351.2	TLL		12/18/2008

Analysis Certified By: Lana R Jacobs

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3981
Received: 12/12/2008
Reported: 12/23/2008
Date/Time Sampled: 12/12/2008 08:35
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121208 - ME - 099**
Lab Sample # **LP08-3981-002**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	37.9	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	33.1	mg/Kg	1.00	Calculation	TLL		12/18/2008
pH, Laboratory Analyzed (Estimate)	7.4	S.U.		SW-9040B/9045C	ER		12/17/2008
Phosphorus, Total	353.	mg/Kg	3.67	EPA-365.3	JS		12/17/2008
Total Organic Carbon	2070	mg/Kg	1000	SW-9060M	RC		12/18/2008
Ammonia-N	32.9	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	66.0	mg/Kg	2.00	EPA-351.2	TLL		12/18/2008

Analysis Certified By: Lana R Jarbo

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3981
Received: 12/12/2008
Reported: 12/23/2008
Date/Time Sampled: 12/12/2008 08:40
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121208 - ME - 100**
Lab Sample # **LP08-3981-003**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	12.3	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	58.4	mg/Kg	1.00	Calculation	TLL		12/18/2008
pH, Laboratory Analyzed (Estimate)	7.9	S.U.		SW-9040B/9045C	ER		12/17/2008
Phosphorus, Total	287.	mg/Kg	3.93	EPA-365.3	JS		12/17/2008
Total Organic Carbon	3250	mg/Kg	1000	SW-9060M	RC		12/18/2008
Ammonia-N	27.6	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	86.0	mg/Kg	2.00	EPA-351.2	TLL		12/18/2008

Analysis Certified By: Lana R Dalton

ANALYTICAL REPORT

Lab Project #	LP08-3981
Received:	12/12/2008
Reported:	12/23/2008
Date/Time Sampled:	12/12/2008 09:00
Sampled By:	ME
Sampled Matrix:	Soil
Containers:	1

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121208 - ME - 102**

Lab Sample # **LP08-3981-004**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	26.6	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	41.0	mg/Kg	1.00	Calculation	TLL		12/18/2008
pH, Laboratory Analyzed (Estimate)	7.7	S.U.		SW-9040B/9045C	ER		12/17/2008
Phosphorus, Total	109.	mg/Kg	3.40	EPA-365.3	JS		12/18/2008
Total Organic Carbon	3260	mg/Kg	1000	SW-9060M	RC		12/18/2008
Ammonia-N	9.00	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	50.0	mg/Kg	2.00	EPA-351.2	TLL		12/18/2008

Analysis Certified By: Lorie R Jackson

ANALYTICAL REPORT

Lab Project #	LP08-3981
Received:	12/12/2008
Reported:	12/23/2008
Date/Time Sampled:	12/12/2008 09:05
Sampled By:	ME
Sampled Matrix:	Soil
Containers:	1

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121208 - ME - 103**

Lab Sample # **LP08-3981-005**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	4.29	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	2210	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	8.0	S.U.		SW-9040B/9045C	ER		12/17/2008
Phosphorus, Total	344.	mg/Kg	3.94	EPA-365.3	JS		12/17/2008
Total Organic Carbon	3900	mg/Kg	1000	SW-9060M	RC		12/18/2008
Ammonia-N	21.6	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	2230	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lane K Jacka

ANALYTICAL REPORT

Lab Project #	LP08-3981
Received:	12/12/2008
Reported:	12/23/2008
Date/Time Sampled:	12/12/2008 09:30
Sampled By:	ME
Sampled Matrix:	Soil
Containers:	1

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121208 - ME - 105**

Lab Sample # **LP08-3981-006**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	10.9	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	40.7	mg/Kg	1.00	Calculation	TLL		12/18/2008
pH, Laboratory Analyzed (Estimate)	8.0	S.U.		SW-9040B/9045C	ER		12/17/2008
Phosphorus, Total	313.	mg/Kg	3.85	EPA-365.3	JS		12/17/2008
Total Organic Carbon	<1000	mg/Kg	1000	SW-9060M	RC		12/18/2008
Ammonia-N	28.3	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	69.0	mg/Kg	2.00	EPA-351.2	TLL		12/18/2008

Analysis Certified By: Dana K Jackson

ANALYTICAL REPORT

Lab Project #	LP08-3981
Received:	12/12/2008
Reported:	12/23/2008
Date/Time Sampled:	12/12/2008 09:35
Sampled By:	ME
Sampled Matrix:	Soil
Containers:	1

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121208 - ME - 106**

Lab Sample # **LP08-3981-007**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	3.01	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	20.2	mg/Kg	1.00	Calculation	TLL		12/18/2008
pH, Laboratory Analyzed (Estimate)	8.3	S.U.		SW-9040B/9045C	ER		12/17/2008
Phosphorus, Total	367.	mg/Kg	3.58	EPA-365.3	JS		12/17/2008
Total Organic Carbon	2370	mg/Kg	1000	SW-9060M	RC		12/22/2008
Ammonia-N	26.8	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	47.0	mg/Kg	2.00	EPA-351.2	TLL		12/18/2008

Analysis Certified By: Lana K Jackson

ANALYTICAL REPORT

Lab Project # LP08-3981
Received: 12/12/2008
Reported: 12/31/2008

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Date/Time Sampled: 12/12/2008 10:15
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121208 - ME - 108**
Lab Sample # **LP08-3981-008**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	2.54	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	210.	mg/Kg	1.00	Calculation	TLL		12/23/2008
pH, Laboratory Analyzed (Estimate)	8.1	S.U.		SW-9040B/9045C	ER		12/17/2008
Phosphorus, Total	82.3	mg/Kg	0.04	EPA-365.3	JS		12/18/2008
Total Organic Carbon	10500	mg/Kg	1000	SW-9060M	RC		12/18/2008
Ammonia-N	45.5	mg/Kg	1.00	EPA-350.1	TLL		12/18/2008
Total Kjeldahl Nitrogen	256.	mg/Kg	2.00	EPA-351.2	TLL		12/23/2008

Analysis Certified By: Laura L Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3981
Received: 12/12/2008
Reported: 12/23/2008
Date/Time Sampled: 12/12/2008 10:20
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121208 - ME - 109**
Lab Sample # **LP08-3981-009**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	2.09	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	2160	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	7.8	S.U.		SW-9040B/9045C	ER		12/17/2008
Phosphorus, Total	65.4	mg/Kg	3.40	EPA-365.3	JS		12/17/2008
Total Organic Carbon	4360	mg/Kg	1000	SW-9060M	RC		12/18/2008
Ammonia-N	8.80	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	2170	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lana L Jackson

ANALYTICAL REPORT

Lab Project #	LP08-3981
Received:	12/12/2008
Reported:	12/23/2008
Date/Time Sampled:	12/12/2008 10:25
Sampled By:	ME
Sampled Matrix:	Soil
Containers:	1

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121208 - ME - 110**

Lab Sample # **LP08-3981-010**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	1.56	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	28.9	mg/Kg	1.00	Calculation	TLL		12/18/2008
pH, Laboratory Analyzed (Estimate)	7.6	S.U.		SW-9040B/9045C	ER		12/17/2008
Phosphorus, Total	206.	mg/Kg	3.54	EPA-365.3	JS		12/17/2008
Total Organic Carbon	2680	mg/Kg	1000	SW-9060M	RC		12/18/2008
Ammonia-N	15.1	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	44.0	mg/Kg	2.00	EPA-351.2	TLL		12/18/2008

Analysis Certified By: Lana K Jackson

ANALYTICAL REPORT

Lab Project #	LP08-3981
Received:	12/12/2008
Reported:	12/23/2008
Date/Time Sampled:	12/12/2008 10:50
Sampled By:	ME
Sampled Matrix:	Soil
Containers:	1

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121208 - ME - 112**

Lab Sample # **LP08-3981-011**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	169.	mg/Kg	0.10	SW-9056	MS		
Nitrite-N	96.4	mg/Kg	0.10	SW-9056	MS		
Organic Nitrogen	1610	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	7.7	S.U.		SW-9040B/9045C	ER		12/17/2008
Phosphorus, Total	899.	mg/Kg	3.96	EPA-365.3	JS		12/17/2008
Total Organic Carbon	4290	mg/Kg	1000	SW-9060M	RC		12/18/2008
Ammonia-N	358.	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	1970	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lana K Jackson

ANALYTICAL REPORT

Lab Project #	LP08-3981
Received:	12/12/2008
Reported:	12/23/2008
Date/Time Sampled:	12/12/2008 10:55
Sampled By:	ME
Sampled Matrix:	Soil
Containers:	1

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121208 - ME - 113**

Lab Sample # **LP08-3981-012**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	30.2	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	1.69	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	1080	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	7.9	S.U.		SW-9040B/9045C	ER		12/17/2008
Phosphorus, Total	348.	mg/Kg	3.95	EPA-365.3	JS		12/17/2008
Total Organic Carbon	<1000	mg/Kg	1000	SW-9060M	RC		12/18/2008
Ammonia-N	21.4	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	1100	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lynn K Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3981
Received: 12/12/2008
Reported: 12/23/2008
Date/Time Sampled: 12/12/2008 11:05
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121208 - ME - 115**
Lab Sample # **LP08-3981-013**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	7.16	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	9.26	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	80.0	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	9.3	S.U.		SW-9040B/9045C	ER		12/17/2008
Phosphorus, Total	279.	mg/Kg	3.88	EPA-365.3	JS		12/17/2008
Total Organic Carbon	4550	mg/Kg	1000	SW-9060M	RC		12/18/2008
Ammonia-N	8440	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	8520	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lana R Jackson

ANALYTICAL REPORT

Lab Project #	LP08-3981
Received:	12/12/2008
Reported:	12/23/2008
Date/Time Sampled:	12/12/2008 11:10
Sampled By:	ME
Sampled Matrix:	Soil
Containers:	1

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121208 - ME - 116A**

Lab Sample # **LP08-3981-014**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	5.48	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	18.7	mg/Kg	1.00	Calculation	TLL		12/18/2008
pH, Laboratory Analyzed (Estimate)	8.3	S.U.		SW-9040B/9045C	ER		12/17/2008
Phosphorus, Total	344.	mg/Kg	3.99	EPA-365.3	JS		12/17/2008
Total Organic Carbon	<1000	mg/Kg	1000	SW-9060M	RC		12/18/2008
Ammonia-N	40.3	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	59.0	mg/Kg	2.00	EPA-351.2	TLL		12/18/2008

Analysis Certified By: Lana R Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3981
Received: 12/12/2008
Reported: 12/23/2008
Date/Time Sampled: 12/12/2008 11:30
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121208 - ME - 116B**
Lab Sample # **LP08-3981-015**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	1.92	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	9.30	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	1330	mg/Kg	1.00	Calculation	TLL		12/19/2008
pH, Laboratory Analyzed (Estimate)	9.3	S.U.		SW-9040B/9045C	ER		12/17/2008
Phosphorus, Total	389.	mg/Kg	3.69	EPA-365.3	JS		12/17/2008
Total Organic Carbon	3340	mg/Kg	1000	SW-9060M	RC		12/18/2008
Ammonia-N	7280	mg/Kg	1.00	EPA-350.1	TLL		12/18/2008
Total Kjeldahl Nitrogen	8610	mg/Kg	2.00	EPA-351.2	TLL		12/19/2008

Analysis Certified By: Lana K Jackson

ANALYTICAL REPORT

Lab Project #	LP08-3981
Received:	12/12/2008
Reported:	12/23/2008
Date/Time Sampled:	12/12/2008 11:35
Sampled By:	ME
Sampled Matrix:	Soil
Containers:	1

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121208 - ME - 117B**

Lab Sample # **LP08-3981-016**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	3.72	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	11.0	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	10.0	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	9.3	S.U.		SW-9040B/9045C	ER		12/17/2008
Phosphorus, Total	351.	mg/Kg	3.85	EPA-365.3	JS		12/17/2008
Total Organic Carbon	2000	mg/Kg	1000	SW-9060M	RC		12/18/2008
Ammonia-N	7550	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	7560	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lance K Jackson

ANALYTICAL REPORT

Lab Project #	LP08-3981
Received:	12/12/2008
Reported:	12/23/2008
Date/Time Sampled:	12/12/2008 11:40
Sampled By:	ME
Sampled Matrix:	Soil
Containers:	1

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121208 - ME - 118**

Lab Sample # **LP08-3981-017**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	8.22	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	2.50	mg/Kg	1.00	Calculation	TLL		12/18/2008
pH, Laboratory Analyzed (Estimate)	8.1	S.U.		SW-9040B/9045C	ER		12/17/2008
Phosphorus, Total	321.	mg/Kg	3.99	EPA-365.3	JS		12/17/2008
Total Organic Carbon	<1000	mg/Kg	1000	SW-9060M	RC		12/18/2008
Ammonia-N	39.5	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	42.0	mg/Kg	2.00	EPA-351.2	TLL		12/18/2008

Analysis Certified By: Lamar K Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3981
Received: 12/12/2008
Reported: 12/23/2008
Date/Time Sampled: 12/12/2008 11:50
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121208 - ME - 120**
Lab Sample # **LP08-3981-018**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	15.3	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	19.9	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	380.	mg/Kg	1.00	Calculation	TLL		12/19/2008
pH, Laboratory Analyzed (Estimate)	9.2	S.U.		SW-9040B/9045C	ER		12/17/2008
Phosphorus, Total	1790	mg/Kg	3.77	EPA-365.3	JS		12/17/2008
Total Organic Carbon	6840	mg/Kg	1000	SW-9060M	RC		12/18/2008
Ammonia-N	8360	mg/Kg	1.00	EPA-350.1	TLL		12/18/2008
Total Kjeldahl Nitrogen	8740	mg/Kg	2.00	EPA-351.2	TLL		12/19/2008

Analysis Certified By: Lora K Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3981
Received: 12/12/2008
Reported: 12/23/2008
Date/Time Sampled: 12/12/2008 11:55
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121208 - ME - 121**
Lab Sample # **LP08-3981-019**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	3.41	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	410.	mg/Kg	1.00	Calculation	TLL		12/19/2008
pH, Laboratory Analyzed (Estimate)	9.2	S.U.		SW-9040B/9045C	ER		12/17/2008
Phosphorus, Total	394.	mg/Kg	3.37	EPA-365.3	JS		12/17/2008
Total Organic Carbon	<1000	mg/Kg	1000	SW-9060M	RC		12/18/2008
Ammonia-N	2170	mg/Kg	1.00	EPA-350.1	TLL		12/18/2008
Total Kjeldahl Nitrogen	2580	mg/Kg	2.00	EPA-351.2	TLL		12/19/2008

Analysis Certified By: Lance L Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3981
Received: 12/12/2008
Reported: 12/23/2008
Date/Time Sampled: 12/12/2008 13:15
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121208 - ME - 123**
Lab Sample # **LP08-3981-020**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	34.2	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	170.	mg/Kg	1.00	Calculation	TLL		12/17/2008
pH, Laboratory Analyzed (Estimate)	7.9	S.U.		SW-9040B/9045C	ER		12/17/2008
Phosphorus, Total	240.	mg/Kg	3.77	EPA-365.3	JS		12/17/2008
Total Organic Carbon	3340	mg/Kg	1000	SW-9060M	RC		12/18/2008
Ammonia-N	1450	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	1620	mg/Kg	2.00	EPA-351.2	TLL		12/17/2008

Analysis Certified By: Lana L Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3981
Received: 12/12/2008
Reported: 12/23/2008
Date/Time Sampled: 12/12/2008 13:20
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121208 - ME - 124**
Lab Sample # **LP08-3981-021**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	20.3	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	130.	mg/Kg	1.00	Calculation	TLL		12/19/2008
pH, Laboratory Analyzed (Estimate)	8.2	S.U.		SW-9040B/9045C	ER		12/17/2008
Phosphorus, Total	466.	mg/Kg	3.95	EPA-365.3	JS		12/17/2008
Total Organic Carbon	3010	mg/Kg	1000	SW-9060M	RC		12/18/2008
Ammonia-N	1420	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	1550	mg/Kg	2.00	EPA-351.2	TLL		12/19/2008

Analysis Certified By: Lana R Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3981
Received: 12/12/2008
Reported: 12/23/2008
Date/Time Sampled: 12/12/2008 13:25
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121208 - ME - 125**
Lab Sample # **LP08-3981-022**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	24.8	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	48.9	mg/Kg	1.00	Calculation	TLL		12/18/2008
pH, Laboratory Analyzed (Estimate)	7.2	S.U.		SW-9040B/9045C	ER		12/17/2008
Phosphorus, Total	293.	mg/Kg	3.81	EPA-365.3	JS		12/17/2008
Total Organic Carbon	3720	mg/Kg	1000	SW-9060M	RC		12/18/2008
Ammonia-N	24.1	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	73.0	mg/Kg	2.00	EPA-351.2	TLL		12/18/2008

Analysis Certified By: Lana L Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3981
Received: 12/12/2008
Reported: 12/23/2008
Date/Time Sampled: 12/12/2008 13:45
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121208 - ME - 127**
Lab Sample # **LP08-3981-023**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	25.2	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	4.38	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	1090	mg/Kg	1.00	Calculation	TLL		12/19/2008
pH, Laboratory Analyzed (Estimate)	9.1	S.U.		SW-9040B/9045C	ER		12/17/2008
Phosphorus, Total	1360	mg/Kg	3.54	EPA-365.3	JS		12/17/2008
Total Organic Carbon	2130	mg/Kg	1000	SW-9060M	RC		12/18/2008
Ammonia-N	6400	mg/Kg	1.00	EPA-350.1	TLL		12/18/2008
Total Kjeldahl Nitrogen	7490	mg/Kg	2.00	EPA-351.2	TLL		12/19/2008

Analysis Certified By: Lance R Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3981
Received: 12/12/2008
Reported: 12/23/2008
Date/Time Sampled: 12/12/2008 13:50
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121208 - ME - 128**
Lab Sample # **LP08-3981-024**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	2.58	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	14.6	mg/Kg	1.00	Calculation	TLL		12/18/2008
pH, Laboratory Analyzed (Estimate)	8.1	S.U.		SW-9040B/9045C	ER		12/17/2008
Phosphorus, Total	344.	mg/Kg	3.42	EPA-365.3	JS		12/17/2008
Total Organic Carbon	<1000	mg/Kg	1000	SW-9060M	RC		12/18/2008
Ammonia-N	38.4	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	53.0	mg/Kg	2.00	EPA-351.2	TLL		12/18/2008

Analysis Certified By: Lana L Jackson

ANALYTICAL REPORT

Lab Project #	LP08-3981
Received:	12/12/2008
Reported:	12/23/2008
Date/Time Sampled:	12/12/2008 14:20
Sampled By:	ME
Sampled Matrix:	Soil
Containers:	1

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121208 - ME - 130**

Lab Sample # **LP08-3981-025**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	44.9	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	3.52	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	163.	mg/Kg	1.00	Calculation	TLL		12/19/2008
pH, Laboratory Analyzed (Estimate)	5.6	S.U.		SW-9040B/9045C	ER		12/17/2008
Phosphorus, Total	1600	mg/Kg	3.95	EPA-365.3	JS		12/17/2008
Total Organic Carbon	6130	mg/Kg	1000	SW-9060M	RC		12/18/2008
Ammonia-N	269.	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	432.	mg/Kg	2.00	EPA-351.2	TLL		12/19/2008

Analysis Certified By: Lana K Jackson

ANALYTICAL REPORT

Lab Project #	LP08-3981
Received:	12/12/2008
Reported:	12/23/2008
Date/Time Sampled:	12/12/2008 14:25
Sampled By:	ME
Sampled Matrix:	Soil
Containers:	1

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121208 - ME - 131**

Lab Sample # **LP08-3981-026**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	23.4	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	20.7	mg/Kg	1.00	Calculation	TLL		12/19/2008
pH, Laboratory Analyzed (Estimate)	7.4	S.U.		SW-9040B/9045C	ER		12/17/2008
Phosphorus, Total	582.	mg/Kg	3.34	EPA-365.3	JS		12/17/2008
Total Organic Carbon	5580	mg/Kg	1000	SW-9060M	RC		12/18/2008
Ammonia-N	47.3	mg/Kg	1.00	EPA-350.1	TLL		12/18/2008
Total Kjeldahl Nitrogen	68.0	mg/Kg	2.00	EPA-351.2	TLL		12/19/2008

Analysis Certified By: Karen K Jackson

1101 North Cole Street, Lima, OH 45805
(P) 419-223-1362 (F) 419-227-3792

508 Bissman Court, Mansfield, OH 44903
(P) 419-525-1644 (F) 419-524-5575

Alloway
Your Resource for Defensible Data

Chain of Custody Record

Report To:
Name: Matt Elkins
Company: Allied Environmental Services
Address: 1867 S. Dixie Hwy
Lima, OH 45804

Phone No: (419) 227-4004 Fax No: (419) 229-4106
E-mail: elkinsm@allied-environmental.com PO No: 08-342

Invoice To (If Different):
Name:
Company:
Address:

Notes:

Project Name: SIR

Sampler (Print): Matthew E. Elkins (Signature): Matt E. Elk

Matrix Codes:
ww - wastewater | s - solid | sg - sludge
gw - groundwater | w - water | o - other

	Customer Sample ID / Sample Location	Sample Date	Sample Time	Comp.	Grab	Matrix	Number of Containers	Alloway LIMS #	Analysis Required
1	SIR-121208-ME-098	12/12/08	0830		X	S	1	3981-001	TKN, Ammonia, Organic N, Nitrate, Nitrite Phosphorous (total), TOC, pH
2	SIR-121208-ME-099	↓	0835		X	S	1	3981-002	↓ ↓
3	SIR-121208-ME-100		0840		X	S	1	3981-003	
4	SIR-121208-ME-101		0845		X	S	1		Hold
5	SIR-121208-ME-102		0900		X	S	1	3981-004	TKN, Ammonia, Organic N, Nitrite, Nitrate Phosphorous (total), TOC, pH
6	SIR-121208-ME-103		0905		X	S	1	3981-005	↓ ↓
7	SIR-121208-ME-104		0910		X	S	1		Hold
8	SIR-121208-ME-105	↓	0930		X	S	1	3981-006	TKN, Ammonia, Organic N, Nitrite, Nitrate Phosphorous (total), TOC, pH

	Relinquished by:	Received by:	Date	Time
1	Matt E. Elk			
2				
3				
4				

Priority
- 24 Hrs ☐
- 48 Hrs ☐
- 3 Working Days ☐
- Routine (5-10 Working days) ☒
- Other: _____

Method of Shipment:

Received for Laboratory By: (Signature) Lum Wu — Date: 12/2 — Time: 1835

White - Lab Copy Yellow - Client Copy

1101 North Cole Street, Lima, OH 45805
(P) 419-223-1362 (F) 419-227-3792

508 Bissman Court, Mansfield, OH 44903
(P) 419-525-1644 (F) 419-524-5575

Alloway
Your Resource for Defensible Data

Chain of Custody Record

Report To:
Name: Matt Elkins
Company: Allied Environmental Services
Address: 1867 S. Dixie Hwy
Lima, OH 45804
Phone No: (419) 227-4004 Fax No: (419) 229-4106
E-mail: elkinsm@allied-environmental.com PO No: 08-342

Invoice To (If Different):
Name:
Company:
Address:

Notes:

Project Name: Southern Illinois Railcar
Sampler: (Print) Matthew E. Elkins (Signature) Matt E Elk

Matrix Codes:
ww - wastewater | s - solid | sg - sludge
gw - groundwater | w - water | o - other

	Customer Sample ID / Sample Location	Sample Date	Sample Time	Comp.	Grab	Matrix	Number of Containers	Alloway LIMS #	Analysis Required
1	SIR-121208-ME-106	12/12/08	0935		X	S	1	3981-007	TKN, Nitrate, Nitrite, Ammonia, Organic N, Phosphorous (total), TOC, pH
2	SIR-121208-ME-107		0940		X	S	1		Hold
3	SIR-121208-ME-108		1015		X	S	1	3981-008	TKN, Ammonia, Organic N, Nitrate, Nitrite, Phosphorous (total), TOC, pH
4	SIR-121208-ME-109		1020		X	S	1	3981-009	
5	SIR-121208-ME-110		1025		X	S	1	3981-010	
6	SIR-121208-ME-111		1030		X	S	1		Hold
7	SIR-121208-ME-112		1050		X	S	1	3981-011	TKN, Ammonia, Organic N, Nitrate, Nitrite, Phosphorous (total), TOC, pH
8	SIR-121208-ME-113		1055		X	S	1	3981-012	

	Relinquished by:	Date	Time
1	Matt E Elk		
2			
3			
4			

Received by:

Method of Shipment

Received for Laboratory By: (Signature) Lori Wy — Date: 12-12-08 — Time: 1835

Priority
- 24 Hrs ☐
- 48 Hrs ☐
- 3 Working Days ☐
- Routine (5-10 Working days) ☒
- Other: ____

White - Lab Copy Yellow - Client Copy

1101 North Cole Street, Lima, OH 45805
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508 Bissman Court, Mansfield, OH 44903
(P) 419-525-1644 (F) 419-524-5575

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Your Resource for Defensible Data

Chain of Custody Record

Report To:
Name: Matt Elkins
Company: Allied Environmental Services
Address: 1867 S. Dixie Hwy
Lima, OH 45804
Phone No: (419) 227-4004
E-mail: elkinsm@allied-environmental.com

Invoice To (If Different):
Name:
Company:
Address:
Fax No: (419) 229-4004 4106
PO No: 08-342

Notes:

Project Name: Southern Illinois Railcar
Sampler: (Print) Matthew E. Elkins (Signature) Matthew E Elk.

Matrix Codes:
ww - wastewater; gw - groundwater; s - solid; w - water; sg - sludge; o - other

	Customer Sample ID / Sample Location	Sample Date	Sample Time	Comp.	Grab	Matrix	Number of Containers	Alloway LIMS #	Analysis Required
1	SIR-121208-ME-114	12/12/08	1100		X	S	1		Hold
2	SIR-121208-ME-115		1105		X	S	1	3981-013	TKN, Ammonia, Organic N, Nitrate, Nitrite Phosphorous (total), TOC, pH
3	SIR-121208-ME-116A		1110		X	S	1	3981-014	↓ ↓
4	SIR-121208-ME-117A		1115		X	S	1		Hold
5	SIR-121208-ME-116B		1130		X	S	1	3981-015	TKN, Ammonia, Organic N, Nitrate, Nitrite Phosphorous (total), TOC, pH
6	SIR-121208-ME-117B		1135		X	S	1	3981-016	↓ ↓
7	SIR-121208-ME-118		1140		X	S	1	3981-017	↓ ↓
8	SIR-121208-ME-119	↓	1145		X	S	1		Hold

	Relinquished by:	Date	Time
1	Matt E Elk.		
2			
3			
4			

Received by:

Received for Laboratory By: (Signature) Kam Wong — 12-12-08 — 1835

Method of Shipment:

Priority
- 24 Hrs ☐
- 48 Hrs ☐
- 3 Working Days ☐
- Routine (5-10 Working days) ☒
- Other: _____

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Chain of Custody Record

1101 North Cole Street, Lima, OH 45805
(P) 419-223-1362 (F) 419-227-3792

508 Bissman Court, Mansfield, OH 44903
(P) 419-525-1644 (F) 419-524-5575

Report To:
Name: Matt Elkins
Company: Allied Environmental Services
Address: 1867 S. Dixie Hwy
Lima, OH 45804

Invoice To (If Different):
Name:
Company:
Address:

Notes:

Phone No: (419) 227-4004
E-mail: elkinsm@allied-environmental.com
Fax No: (419) 227-4106
PO No: 08-342

Project Name: Southern Illinois Railcar

Sampler (Print): Matthew E. Elkins (Signature): Matt E Elkins

Matrix Codes:
ww - wastewater
gw - groundwater
s - solid
w - water
sg - sludge
o - other

	Customer Sample ID / Sample Location	Sample Date	Sample Time	Comp.	Grab	Matrix	Number of Containers	Alloway LIMS #	Analysis Required
1	SIR-121208-ME-120	12/12/08	1150		X	S	1	3981-018	TKN, Ammonia, Organic N, Nitrate, Nitrite, Phosphorous (total), TOC, pH
2	SIR-121208-ME-121	↓	1155		X	S	1	3981-019	↓ ↓
3	SIR-121208-ME-122	↓	1200		X	S	1		Hold
4	SIR-121208-ME-123	↓	1315		X	S	1	3981-020	TKN, Ammonia, Organic N, Nitrate, Nitrite Phosphorous (total), TOC, pH
5	SIR-121208-ME-124	↓	1320		X	S	1	3981-021	↓ ↓
6	SIR-121208-ME-125	↓	1325		X	S	1	3981-022	↓ ↓
7	SIR-121208-ME-126	↓	1330		X	S	1		Hold
8	SIR-121208-ME-127	↓	1345		X	S	1	3981-023	TKN, Ammonia, Organic N, Nitrate, Nitrite Phosphorous (total), TOC, pH

	Relinquished by:	Received by:	Date	Time
1	Matt E Elkins			
2				
3				
4				
Method of Shipment		Received for Laboratory By (Signature): [signature]	12-12-08	1835

Priority
24 Hrs ☐
48 Hrs ☐
3 Working Days ☐
Routine (5-10 Working days) ☒
Other:

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508 Bissman Court, Mansfield, OH 44903
(P) 419-525-1644 (F) 419-524-5575

Alloway
Your Resource for Defensible Data

Chain of Custody Record

Report To:
Name: Matt Elkins
Company: Allied Environmental Services
Address: 1867 S. Dixie Hwy
Lima, OH 45804

Invoice To (If Different):
Name:
Company:
Address:

Notes:

Phone No: (419) 227-4004 Fax No: (419) 229-4106
E-mail: elkinsm@allied-environmental.com PO No: 08-342

Project Name: Southern Illinois Railcar

Sampler: (Print) Matthew E. Elkins (Signature) Matt E. Elk

Matrix Codes:
ww - wastewater | s - solid | sg - sludge
gw - groundwater | w - water | o - other

	Customer Sample ID / Sample Location	Sample Date	Sample Time	Comp.	Grab	Matrix	Number of Containers	Alloway LIMS #	Analysis Required
1	SIR-121208-ME-128	12/12/08	1350		X	S	1	3981-024	TKN, Ammonia, Organic-N, Nitrate, Nitrite, Phosphorus (total), TOC, pH
2	SIR-121208-ME-129		1355		X	S	1		Hold
3	SIR-121208-ME-130		1420		X	S	1	3981-025	TKN, Ammonia, Organic-N, Nitrate, Nitrite Phosphorus (total), TOC, pH
4	SIR-121208-ME-131		1425		X	S	1	3981-026	
5	SIR-121208-ME-132		1430		X	S	1		Hold
6	~~SIR-121208-ME-133~~ MEE				~~X~~	~~S~~	~~1~~		TKN, Ammonia, Organic-N, Nitrate, Nitrite Phosphorus (total), TOC, pH
7	~~SIR-121208-ME-134~~ MEE				~~X~~	~~S~~	~~1~~		
8	~~SIR-121208-ME-135~~ MEE				~~X~~	~~S~~	~~1~~		

	Relinquished by:	Received by:	Date	Time	Priority
1	Matt E. Elk				24 Hrs ☐
2					48 Hrs ☐
3					3 Working Days ☐
4					Routine (5-10 Working days) ☒
Method of Shipment		Received for Laboratory By: (Signature)	12-12-08	1835	Other:

White - Lab Copy Yellow - Client Copy

ANALYTICAL REPORT

Lab Project #	LP08-3997
Received:	12/15/2008
Reported:	12/23/2008
Date/Time Sampled:	12/15/2008 13:15
Sampled By:	ME
Sampled Matrix:	Soil
Containers:	1

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121508 - ME - 133**

Lab Sample # **LP08-3997-001**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	119.	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	3.00	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	133.	mg/Kg	1.00	Calculation	TLL		12/18/2008
pH, Laboratory Analyzed (Estimate)	5.6	S.U.		SW-9040B/9045C	JS		12/16/2008
Phosphorus, Total	15100	mg/Kg	3.92	EPA-365.3	JS		12/17/2008
Total Organic Carbon	22800	mg/Kg	1000	SW-9060M	RC		12/18/2008
Ammonia-N	200.	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	333.	mg/Kg	2.00	EPA-351.2	TLL		12/18/2008

Analysis Certified By: Lana B Jackson

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3997
Received: 12/15/2008
Reported: 12/23/2008
Date/Time Sampled: 12/15/2008 13:30
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121508 - ME - 134**
Lab Sample # **LP08-3997-002**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	39.3	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	134.	mg/Kg	1.00	Calculation	TLL		12/19/2008
pH, Laboratory Analyzed (Estimate)	6.9	S.U.		SW-9040B/9045C	JS		12/16/2008
Phosphorus, Total	882.	mg/Kg	3.63	EPA-365.3	JS		12/17/2008
Total Organic Carbon	2630	mg/Kg	1000	SW-9060M	RC		12/18/2008
Ammonia-N	29.3	mg/Kg	1.00	EPA-350.1	TLL		12/18/2008
Total Kjeldahl Nitrogen	163.	mg/Kg	2.00	EPA-351.2	TLL		12/19/2008

Analysis Certified By: Lana L Jackson

ANALYTICAL REPORT

Lab Project #	LP08-3997
Received:	12/15/2008
Reported:	12/23/2008
Date/Time Sampled:	12/15/2008 14:30
Sampled By:	ME
Sampled Matrix:	Soil
Containers:	1

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121508 - ME - 135**

Lab Sample # **LP08-3997-003**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	66.7	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	67.9	mg/Kg	1.00	Calculation	TLL		12/18/2008
pH, Laboratory Analyzed (Estimate)	6.3	S.U.		SW-9040B/9045C	JS		12/16/2008
Phosphorus, Total	2290	mg/Kg	3.56	EPA-365.3	JS		12/17/2008
Total Organic Carbon	11900	mg/Kg	1000	SW-9060M	RC		12/18/2008
Ammonia-N	98.1	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	166.	mg/Kg	2.00	EPA-351.2	TLL		12/18/2008

Analysis Certified By: Dana L Jaubon

ANALYTICAL REPORT

Lab Project #	LP08-3997
Received:	12/15/2008
Reported:	12/23/2008
Date/Time Sampled:	12/15/2008 14:45
Sampled By:	ME
Sampled Matrix:	Soil
Containers:	1

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121508 - ME - 136**

Lab Sample # **LP08-3997-004**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	20.6	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	9.96	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	64.7	mg/Kg	1.00	Calculation	TLL		12/19/2008
pH, Laboratory Analyzed (Estimate)	6.7	S.U.		SW-9040B/9045C	JS		12/16/2008
Phosphorus, Total	549.	mg/Kg	3.89	EPA-365.3	JS		12/17/2008
Total Organic Carbon	4810	mg/Kg	1000	SW-9060M	RC		12/18/2008
Ammonia-N	34.3	mg/Kg	1.00	EPA-350.1	TLL		12/18/2008
Total Kjeldahl Nitrogen	99.0	mg/Kg	2.00	EPA-351.2	TLL		12/19/2008

Analysis Certified By: Lana L Jaubon

Alloway
Your Resource for Defensible Data

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3997
Received: 12/15/2008
Reported: 12/23/2008
Date/Time Sampled: 12/15/2008 14:00
Sampled By: ME
Sampled Matrix: Soil
Containers: 1

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR - 121508 - ME - 137**
Lab Sample # **LP08-3997-005**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	2.37	mg/Kg	0.60	SW-9056	MS		12/17/2008
Nitrite-N	<0.60	mg/Kg	0.60	SW-9056	MS		12/17/2008
Organic Nitrogen	44.9	mg/Kg	1.00	Calculation	TLL		12/18/2008
pH, Laboratory Analyzed (Estimate)	8.3	S.U.		SW-9040B/9045C	ER		12/17/2008
Phosphorus, Total	76.7	mg/Kg	3.73	EPA-365.3	JS		12/17/2008
Total Organic Carbon	8220	mg/Kg	1000	SW-9060M	RC		12/22/2008
Ammonia-N	24.1	mg/Kg	1.00	EPA-350.1	TLL		12/17/2008
Total Kjeldahl Nitrogen	69.0	mg/Kg	2.00	EPA-351.2	TLL		12/18/2008

Analysis Certified By: Lane K Jacobs

Alloway
Your Resource for Defensible Data

Chain of Custody Record

This is a legal document that authorizes Alloway to perform testing on samples submitted under this agreement

○ 1101 North Cole Street, Lima, OH 45805
(P) 419-223-1362 (F) 419-227-3792
○ 1776 Marion-Waldo Road, Marion OH 43302
(P) 740-389-5991 (F) 740-389-1481
○ 508 Bissman Court, Mansfield, OH 44903
(P) 419-525-1644 (F) 419-524-5575

Report To:
Name: Matt Elkins
Company: Allied Environmental Services
Address: 1867 S. Dixie Hwy
Lima, OH 45804

Invoice To (If Different):
Name:
Company:
Address:
PO#:

Phone #: (419) 227-4004 Fax #: (419) 229-4106
E-mail: elkinsm@allied-environmental.com

Notes/Comments

Project: LP08-3997

Project Name: Southern Illinois Railcar

Sampler (Print): Matthew E. Elkins (Signature): Matthew E. Elkins

Matrix Codes:
ww - wastewater | s - solid | sg - sludge
gw - groundwater | w - water | o - other
dw- drinking water | oil - oil

	Customer Sample ID / Sample Location	Sample Date	Sample Time	Comp.	Grab	Matrix	Number of Containers	Analysis Required	Alloway Lims # (For Lab Use Only)
1	SIR-121508-ME-133	12/15/08	13:15		X	S	1	TKN, Ammonia, Organic N, Nitrate, Nitrite Phosphorus (total), TOC, pH	3997-001
2	SIR-121508-ME-134		13:30		X	S	1		3997-002
3	SIR-121508-ME-135		14:30		X	S	1		3997-003
4	SIR-121508-ME-136		14:45		X	S	1		3997-004
5	SIR-121508-ME-137		14:00		X	S	1		3997-005
6	SIR-121508-ME-W03		09:30		X	W	2	Ammonia, Nitrate, Nitrite	
7	SIR-121508-ME-W11		15:20		X	W	2	Ammonia, Nitrates (Nitrate only)	
8									

	Relinquished by:	Received by:	Date	Time
1	Matthew E. Elkins			
2				
3				

Method of Sample Delivery:
UPS/FedEx ☐ Client Delivery ☐
Other _____ Alloway Pick-up ☐

Received for Laboratory By: (Signature)

12/15/08 17:03

Sample Receiving (For Lab Use Only)
Ice Present? Y ☒ N ☐
Proper Preservation? Y ☒ N ☐
Container Temperature: _____

Priority (for Client use)
Note: Rush Charges May Apply
24 Hrs ☐
48 Hrs ☐
3 Working Days ☒
Routine (5-10 Working days) ☐

White - Lab Copy Yellow - Client Copy

Alloway
Your Resource for Defensible Data

ANALYTICAL REPORT

Lab Project #	LP08-3956
Received:	12/11/2008
Reported:	12/15/2008
Date/Time Sampled:	12/10/2008 11:10
Sampled By:	ME
Sampled Matrix:	Water
Containers:	2

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR-121008-ME-W01**

Lab Sample # **LP08-3956-001**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	63.9	mg/L	0.10	EPA-300.0	MS		12/11/2008
Ammonia-N	30500	mg/L	0.20	SM-4500-NH3 D	AGB		12/12/2008

Analysis Certified By: Lana L Jacobs

1101 N. Cole Street • Lima, Ohio 45805
419.223.1362 • Fax 419.227.3792
800.436.1243

508 Bissman Ct. • Mansfield, Ohio 44903
419.525.1644 • Fax 419.524.5575
800.635.3222

1176 Marion-Waldo Rd. • Marion, Ohio 43301
740.389.5991 • Fax 740.389.1481
800.873.2835

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Your Resource for Defensible Data

ANALYTICAL REPORT

Lab Project # LP08-3956
Received: 12/11/2008
Reported: 12/15/2008

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Date/Time Sampled: 12/10/2008 15:00
Sampled By: ME
Sampled Matrix: Water
Containers: 2

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR-121008-ME-W02**
Lab Sample # **LP08-3956-002**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	128.	mg/L	0.10	EPA-300.0	MS		12/11/2008
Ammonia-N	47.5	mg/L	0.20	SM-4500-NH3 D	AGB		12/12/2008

Analysis Certified By: Lana K Jaubon

1101 N. Cole Street • Lima, Ohio 45805
419.223.1362 • Fax 419.227.3792
800.436.1243

508 Bissman Ct. • Mansfield, Ohio 44903
419.525.1644 • Fax 419.524.5575
800.635.3222

1176 Marion-Waldo Rd. • Marion, Ohio 43301
740.389.5991 • Fax 740.389.1481
800.873.2835

Alloway
Your Resource for Defensible Data

Chain of Custody Record

This is a legal document that authorizes Alloway to perform testing on samples submitted under this agreement

○ 1101 North Cole Street, Lima, OH 45805
(P) 419-223-1362 (F) 419-227-3792
○ 1776 Marion-Waldo Road, Marion OH 43302
(P) 740-389-5991 (F) 740-389-1481
○ 508 Bissman Court, Mansfield, OH 44903
(P) 419-525-1644 (F) 419-524-5575

Report To:	Invoice To (If Different):
Name: MATT ELKINS	Name:
Company: ALLIED Environmental	Company:
Address: 1867 S. Dixie Hwy	Address:
LIMA, OH 45804	PO#:
Phone #: 419-227-4004	Fax #: 419-229-4106
E-mail: elkinsm@allied-environmental.com	

Notes/Comments

Project: LP08-3956

Project Name: SOUTHERN ILLINOIS RAILCAR

Sampler (Print): MATT ELKINS (Signature): Matt Elkins

Matrix Codes:
ww - wastewater; s - solid; sg - sludge; gw - groundwater; w - water; o - other; dw- drinking water; oil - oil

	Customer Sample ID / Sample Location	Sample Date	Sample Time	Comp.	Grab	Matrix	Number of Containers	Analysis Required	Alloway Lims # (For Lab Use Only)
1	SIR-121008-ME-049	12/10/08	16:00		X	S	Hold	Hold	
2	SIR-121008-ME-W01	12/10/08	11:10		X	W	2	Ammonia, Nitrates	3956-001
3	SIR-121008-ME-W02	12/10/08	15:00		X	W	2	Ammonia, Nitrates	3956-002
4									
5									
6									
7									
8									

	Relinquished by:	Received by:	Date	Time
1	Matt Elkins		12/11/08	9:20
2				
3				

Method of Sample Delivery:
UPS/FedEx ☐ Client Delivery ☐
Other _____ Alloway Pick-up ☐

Received for Laboratory By: (Signature) [signature] 12/11/08 09:20

Sample Receiving (For Lab Use Only)
Ice Present? Y ☒ N ☐
Proper Preservation? Y ☒ N ☐
Container Temperature: _____

Priority (for Client use)
Note: Rush Charges May Apply
24 Hrs ☐
48 Hrs ☐
3 Working Days ☐
Routine (5-10 Working days) ☒

White - Lab Copy Yellow - Client Copy

Alloway
Your Resource for Defensible Data

ANALYTICAL REPORT

Lab Project #	LP08-3999
Received:	12/15/2008
Reported:	12/17/2008
Date/Time Sampled:	12/15/2008 09:30
Sampled By:	ME
Sampled Matrix:	Water
Containers:	2

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR-121508-ME-W03**

Lab Sample # **LP08-3999-001**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	0.48	mg/L	0.10	EPA-300.0	MS		12/17/2008
Nitrite-N	<0.10	mg/L	0.10	EPA-300.0	MS		12/17/2008
Ammonia-N	<0.20	mg/L	0.20	SM-4500-NH3 D	AGB		12/17/2008

Analysis Certified By: M Bolek

Alloway
Your Resource for Defensible Data

ANALYTICAL REPORT

Allied Environmental
Attn: Steve Carr
1867 S. Dixie Highway
Lima, OH 45804

Lab Project # LP08-3999
Received: 12/15/2008
Reported: 12/17/2008
Date/Time Sampled: 12/15/2008 15:20
Sampled By: ME
Sampled Matrix: Water
Containers: 2

Project Name: **Southern Illinois Railcar**

Sample ID: **SIR-121508-ME-W11**
Lab Sample # **LP08-3999-002**

Analyte	Results	Units	PQL	Method	Analyst	Extraction Date	Analysis Date
Nitrate-N	10.3	mg/L	0.10	EPA-300.0	MS		12/17/2008
Ammonia-N	2.11	mg/L	0.20	SM-4500-NH3 D	AGB		12/17/2008

Analysis Certified By: Mary Bolek

Alloway
Your Resource for Defensible Data

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○ 508 Bissman Court, Mansfield, OH 44903
(P) 419-525-1644 (F) 419-524-5575

Notes/Comments

Project: LP08-3999

Report To:	Invoice To (If Different):
Name: Matt Elkins	Name:
Company: Allied Environmental Services	Company:
Address: 1867 S. Dixie Hwy, Lima, OH 45804	Address:
	PO#:
Phone #: (419) 227-4004	Fax #: (419) 229-4106
E-mail: elkinsm@allied-environmental.com	

Project Name: Southern Illinois Railcar

Sampler: (Print) Matthew E. Elkins (Signature) Matt Elkins

Matrix Codes:
ww - wastewater; gw - groundwater; dw- drinking water; s - solid; w - water; oil - oil; sg - sludge; o - other

	Customer Sample ID / Sample Location	Sample Date	Sample Time	Comp.	Grab	Matrix	Number of Containers	Analysis Required	Alloway Lims # (For Lab Use Only)
1	SIR-121508-ME-133	12/15/08	13:15		X	S	1	TKN, Ammonia, Organic N, Nitrate, Nitrite Phosphorus (total), TOC, pH	3997.001
2	SIR-121508-ME-134		13:30		X	S	1		3997.002
3	SIR-121508-ME-135		14:30		X	S	1		3997.003
4	SIR-121508-ME-136		14:45		X	S	1		3997.004
5	SIR-121508-ME-137		14:00		X	S	1		3997.005
6	SIR-121508-ME-W03		09:30		X	W	2	Ammonia, Nitrate, Nitrite	3999.001
7	SIR-121508-ME-W11		15:20		X	W	2	Ammonia, Nitrates (Nitrate only)	3999.002
8									

	Relinquished by:	Received by:	Date	Time
1	Matt Elkins			
2				
3				

Method of Sample Delivery:
UPS/FedEx ☐ Client Delivery ☐
Other _____ Alloway Pick-up ☐

Received for Laboratory By: (Signature)

Date: 12/15/08 Time: 17:03

Sample Receiving (For Lab Use Only)
Ice Present? Y ☒ N ☐
Proper Preservation? Y ☒ N ☐
Container Temperature: _____

Priority (for Client use)
Note: Rush Charges May Apply
24 Hrs ☐
48 Hrs ☐
3 Working Days ☒
Routine (5-10 Working days) ☐

White - Lab Copy
Yellow - Client Copy

Appendix C

Photograph Log

Photograph Log
Southern Illinois Railcar Initial Site Assessment

Photo 1: Stagnant surface water on-Site separating into two phases.

Photo 2: Deteriorated side of the North Warehouse where fertilizer can wash out onto the soils adjacent to the building.

Photograph Log
Southern Illinois Railcar Initial Site Assessment

Photo 3: Sludge condition in the interior of the North Warehouse Drag-Pit.

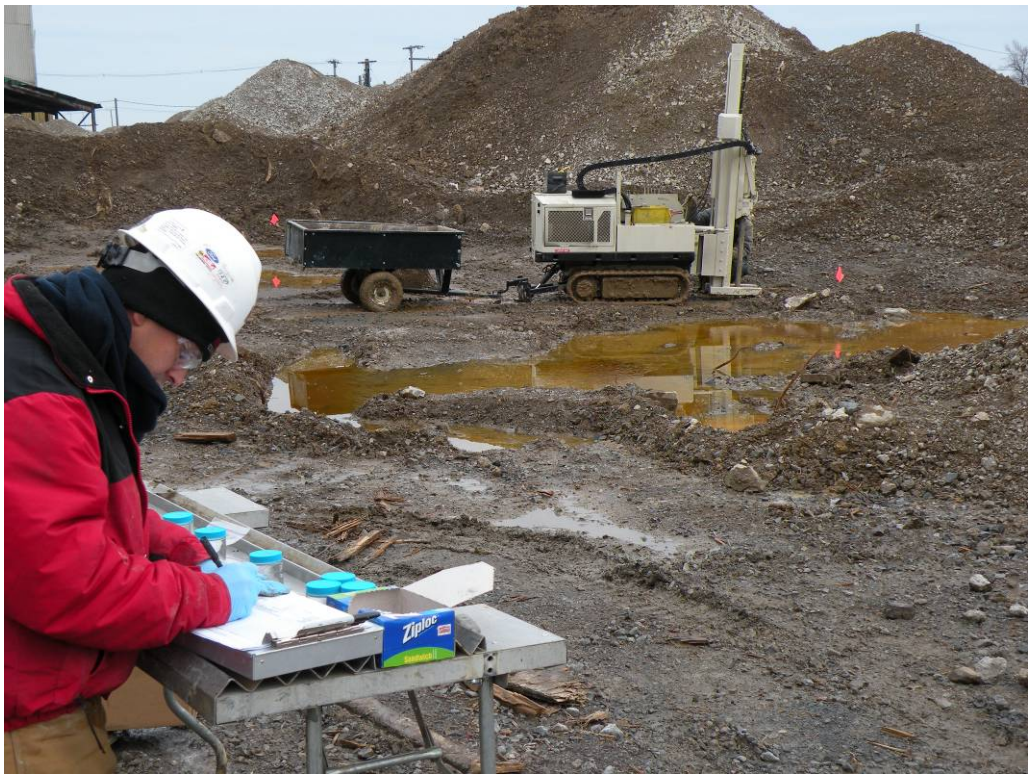

Photo 4: Soil sample collection during the Initial Site Assessment